

# NORTHWEST EMC

## Etherios Design Solutions

ConnectCore i.MX6 WiFi/Bluetooth  
FCC 15.247:2015  
FCC 15.207:2015

Report # ETHE0018.4



NVLAP Lab Code: 200881-0

*This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America. This Report may only be duplicated in its entirety*

# CERTIFICATE OF TEST

**Last Date of Test: January 26, 2015**  
**Etherios Design Solutions**  
**Model: ConnectCore i.MX6 WiFi/Bluetooth**

## Radio Equipment Testing

### Standards

| Specification   | Method                                  |
|-----------------|-----------------------------------------|
| FCC 15.247:2015 | ANSI C63.10:2009, DA 00-705:2000 (FHSS) |
| FCC 15.207:2015 | ANSI C63.10:2009                        |

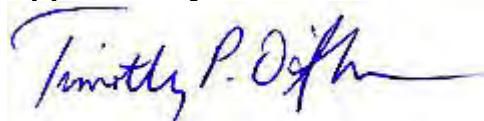
### Results

| Method Clause | Test Description                    | Applied | Results | Comments |
|---------------|-------------------------------------|---------|---------|----------|
| 6.2           | AC Powerline Conducted Emissions    | Yes     | Pass    |          |
| 6.5, 6.6      | Spurious Radiated Emissions         | Yes     | Pass    |          |
| 6.7           | Spurious Conducted Emissions        | Yes     | Pass    |          |
| 6.9.1         | Occupied Bandwidth                  | Yes     | Pass    |          |
| 6.10.2        | Output Power                        | Yes     | Pass    |          |
| 7.7.2         | Channel Separation                  | Yes     | Pass    |          |
| 7.7.3         | Number of Hopping Channels          | Yes     | Pass    |          |
| 7.7.4         | Dwell Time                          | Yes     | Pass    |          |
| 7.5           | Duty Cycle                          | Yes     | Pass    |          |
| 7.7.9         | Band Edge Compliance                | Yes     | Pass    |          |
| 7.7.9         | Band Edge Compliance - Hopping Mode | Yes     | Pass    |          |

### Deviations From Test Standards

None

### Approved By:



Tim O'Shea, Operations Manager

*Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test.*

# REVISION HISTORY

| Revision Number |  | Description | Date | Page Number |
|-----------------|--|-------------|------|-------------|
| 00              |  | None        |      |             |

# ACCREDITATIONS AND AUTHORIZATIONS

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## United States

**FCC** - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

**A2LA** - Accredited by A2LA to ISO / IEC Guide 65 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

**NVLAP** - Each laboratory is accredited by NVLAP to ISO 17025

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## Canada

**IC** - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

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## European Union

**European Commission** – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

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## Australia/New Zealand

**ACMA** - Recognized by ACMA as a CAB for the acceptance of test data.

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## Korea

**MSIP / RRA** - Recognized by KCC's RRA as a CAB for the acceptance of test data.

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## Japan

**VCCI** - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

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## Taiwan

**BSMI** – Recognized by BSMI as a CAB for the acceptance of test data.

**NCC** - Recognized by NCC as a CAB for the acceptance of test data.

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## Singapore

**IDA** – Recognized by IDA as a CAB for the acceptance of test data.

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## Israel

**MOC** – Recognized by MOC as a CAB for the acceptance of test data.

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## Hong Kong

**OFTA** – Recognized by OFTA as a CAB for the acceptance of test data.

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## Vietnam

**MIC** – Recognized by MIC as a CAB for the acceptance of test data.

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## SCOPE

For details on the Scopes of our Accreditations, please visit:

<http://www.nwemc.com/accreditations/>

# MEASUREMENT UNCERTAINTY

## Measurement Uncertainty

When a measurement is made, the result will be different from the true or theoretically correct value. The difference is the result of tolerances in the measurement system that cannot be completely eliminated. To the extent that technology allows us, it has been our aim to minimize this error. Measurement uncertainty is a statistical expression of measurement error qualified by a probability distribution.

A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty (K=2) for each test is on each data sheet. Our measurement data meets or exceeds the measurement uncertainty requirements of the applicable specification; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for estimating measurement uncertainty are based upon ETSI TR 100 028 (or CISPR 16-4-2 as applicable), and are available upon request.

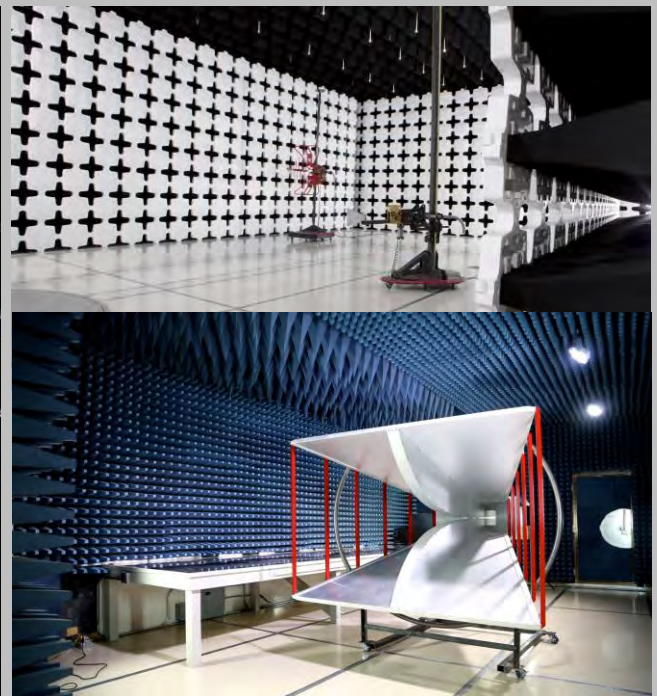
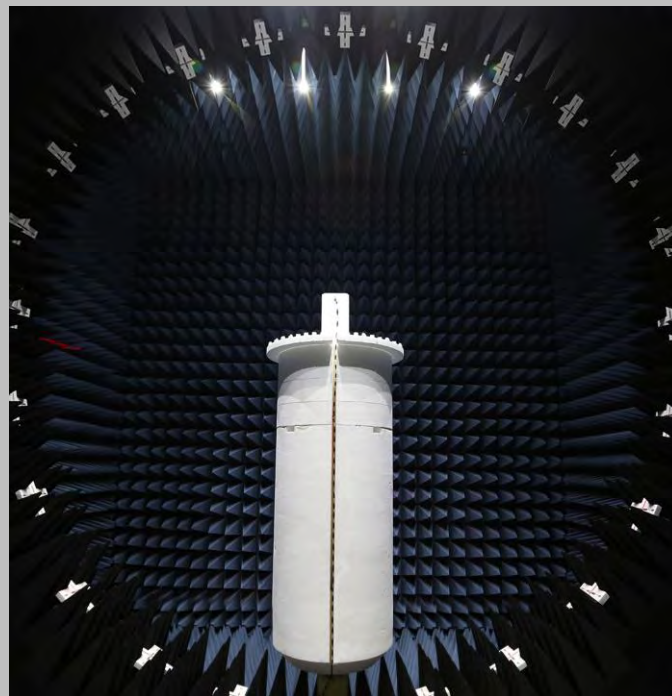
The following table represents the Measurement Uncertainty (MU) budgets for each of the tests that may be contained in this report.

| <b>Test</b>                           | <b>+ MU</b> | <b>- MU</b> |
|---------------------------------------|-------------|-------------|
| Frequency Accuracy (Hz)               | 0.0007%     | -0.0007%    |
| Amplitude Accuracy (dB)               | 1.2 dB      | -1.2 dB     |
| Conducted Power (dB)                  | 0.3 dB      | -0.3 dB     |
| Radiated Power via Substitution (dB)  | 0.7 dB      | -0.7 dB     |
| Temperature (degrees C)               | 0.7°C       | -0.7°C      |
| Humidity (% RH)                       | 2.5% RH     | -2.5% RH    |
| Voltage (AC)                          | 1.0%        | -1.0%       |
| Voltage (DC)                          | 0.7%        | -0.7%       |
| Field Strength (dB)                   | 5.2 dB      | -5.2 dB     |
| AC Powerline Conducted Emissions (dB) | 2.9 dB      | -2.9 dB     |

# FACILITIES



|                                                                                     |                                                                                                             |                                                                                            |                                                                                                   |                                                                                        |                                                                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>California</b><br>Labs OC01-13<br>41 Tesla<br>Irvine, CA 92618<br>(949) 861-8918 | <b>Minnesota</b><br>Labs MN01-08, MN10<br>9349 W Broadway Ave.<br>Brooklyn Park, MN 55445<br>(612)-638-5136 | <b>New York</b><br>Labs NY01-04<br>4939 Jordan Rd.<br>Elbridge, NY 13060<br>(315) 685-0796 | <b>Oregon</b><br>Labs EV01-12<br>22975 NW Evergreen Pkwy<br>Hillsboro, OR 97124<br>(503) 844-4066 | <b>Texas</b><br>Labs TX01-09<br>3801 E Plano Pkwy<br>Plano, TX 75074<br>(469) 304-5255 | <b>Washington</b><br>Labs NC01-05<br>19201 120 <sup>th</sup> Ave NE<br>Bothell, WA 9801<br>(425)984-6600 |
| <b>NVLAP</b>                                                                        |                                                                                                             |                                                                                            |                                                                                                   |                                                                                        |                                                                                                          |
| NVLAP Lab Code: 200676-0                                                            | NVLAP Lab Code: 200881-0                                                                                    | NVLAP Lab Code: 200761-0                                                                   | NVLAP Lab Code: 200630-0                                                                          | NVLAP Lab Code:201049-0                                                                | NVLAP Lab Code: 200629-0                                                                                 |
| <b>Industry Canada</b>                                                              |                                                                                                             |                                                                                            |                                                                                                   |                                                                                        |                                                                                                          |
| 2834B-1, 2834B-3                                                                    | 2834E-1                                                                                                     | N/A                                                                                        | 2834D-1, 2834D-2                                                                                  | 2834G-1                                                                                | 2834F-1                                                                                                  |
| <b>BSMI</b>                                                                         |                                                                                                             |                                                                                            |                                                                                                   |                                                                                        |                                                                                                          |
| SL2-IN-E-1154R                                                                      | SL2-IN-E-1152R                                                                                              | N/A                                                                                        | SL2-IN-E-1017                                                                                     | SL2-IN-E-1158R                                                                         | SL2-IN-E-1153R                                                                                           |
| <b>VCCI</b>                                                                         |                                                                                                             |                                                                                            |                                                                                                   |                                                                                        |                                                                                                          |
| A-0029                                                                              | A-0109                                                                                                      | N/A                                                                                        | A-0108                                                                                            | A-0201                                                                                 | A-0110                                                                                                   |



# PRODUCT DESCRIPTION

## Client and Equipment Under Test (EUT) Information

|                                 |                                  |
|---------------------------------|----------------------------------|
| <b>Company Name:</b>            | Digi International               |
| <b>Address:</b>                 | 11001 Bren Road East             |
| <b>City, State, Zip:</b>        | Minnetonka, MN 55343             |
| <b>Test Requested By:</b>       | Collin LaFave                    |
| <b>Model:</b>                   | ConnectCore i.MX6 WiFi/Bluetooth |
| <b>First Date of Test:</b>      | December 08, 2014                |
| <b>Last Date of Test:</b>       | January 26, 2015                 |
| <b>Receipt Date of Samples:</b> | December 04, 2014                |
| <b>Equipment Design Stage:</b>  | Production                       |
| <b>Equipment Condition:</b>     | No Damage                        |

## Information Provided by the Party Requesting the Test

|                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Functional Description of the EUT:</b>                                                                                                                                                        |
| The EUT is an 802.11abgn SISO and Bluetooth 4.0 radio module with a Quad core i.MX6 processor. The device operates as a Wi-Fi client device and has no radar detection and no ad-hoc capability. |
| <b>Testing Objective:</b>                                                                                                                                                                        |
| To demonstrate compliance of the Bluetooth BR/EDR FHSS radio to FCC 15.247 requirements.                                                                                                         |

# CONFIGURATIONS

## Configuration ETHE0018- 1

| Software/Firmware Running during test |  |  |  |         |  |
|---------------------------------------|--|--|--|---------|--|
| Description                           |  |  |  | Version |  |
| iPerf via command prompt              |  |  |  | Unknown |  |

| EUT                                  |                           |                   |               |
|--------------------------------------|---------------------------|-------------------|---------------|
| Description                          | Manufacturer              | Model/Part Number | Serial Number |
| ConnectCore i.MX6<br>Wi-Fi/Bluetooth | Etherios Design Solutions | 5001475-02        | 00409D 7C03D2 |

| Peripherals in test setup boundary |              |                   |                |
|------------------------------------|--------------|-------------------|----------------|
| Description                        | Manufacturer | Model/Part Number | Serial Number  |
| Laptop Supply                      | Lenovo       | 92P1160           | None           |
| Laptop                             | Lenovo       | T400              | L3-A9984 08/09 |
| DC Power Supply                    | EZ           | GP-4303D          | TPY            |

| Cables         |        |            |         |               |                                      |
|----------------|--------|------------|---------|---------------|--------------------------------------|
| Cable Type     | Shield | Length (m) | Ferrite | Connection 1  | Connection 2                         |
| AC Mains Cable | No     | 1.8m       | No      | AC Mains      | Laptop Supply                        |
| USB to Serial  | Yes    | 2.2m       | No      | Laptop        | ConnectCore i.MX6<br>Wi-Fi/Bluetooth |
| AC Mains Cable | No     | 1.80m      | No      | AC Mains      | Power Supply                         |
| DC Power       | No     | 1.80m      | Yes     | Laptop Supply | Laptop                               |
| DC Power       | No     | 1.20m      | No      | Power Supply  | ConnectCore i.MX6<br>Wi-Fi/Bluetooth |

# CONFIGURATIONS

## Configuration ETHE0018- 2

| Software/Firmware Running during test |            |  |  |
|---------------------------------------|------------|--|--|
| Description                           | Version    |  |  |
| HyperTerminal                         | 5.1.2600.0 |  |  |

| EUT                               |                           |                   |               |
|-----------------------------------|---------------------------|-------------------|---------------|
| Description                       | Manufacturer              | Model/Part Number | Serial Number |
| AF Dual Band Antenna              | Antenna Factor            | ANT-DB1-RAF-XXX   | None          |
| ConnectCore i.MX6 Wi-Fi/Bluetooth | Etherios Design Solutions | 50001475-02       | 00409D 7C0392 |

| Peripherals in test setup boundary |              |                   |                |
|------------------------------------|--------------|-------------------|----------------|
| Description                        | Manufacturer | Model/Part Number | Serial Number  |
| Laptop Supply                      | Lenovo       | 42T5276           | None           |
| Laptop                             | Lenovo       | 2738-CTO          | L3-C2189 09/02 |
| DC Power Supply                    | Sorensen     | XEL 30-3D         | TQE            |

| Cables         |        |            |         |               |                                   |
|----------------|--------|------------|---------|---------------|-----------------------------------|
| Cable Type     | Shield | Length (m) | Ferrite | Connection 1  | Connection 2                      |
| AC Mains Cable | No     | 1.8m       | No      | AC Mains      | Laptop Supply                     |
| USB to Serial  | Yes    | 2.2m       | No      | Laptop        | ConnectCore i.MX6 Wi-Fi/Bluetooth |
| AC Mains Cable | No     | 1.80m      | No      | AC Mains      | Power Supply                      |
| DC Power       | No     | 1.80m      | Yes     | Laptop Supply | Laptop                            |
| DC Power       | No     | 1.20m      | No      | Power Supply  | ConnectCore i.MX6 Wi-Fi/Bluetooth |

# CONFIGURATIONS

## Configuration ETHE0018- 3

| Software/Firmware Running during test |  |  |  |            |  |
|---------------------------------------|--|--|--|------------|--|
| Description                           |  |  |  | Version    |  |
| HyperTerminal                         |  |  |  | 5.1.2600.0 |  |

| EUT                               |                           |                   |               |
|-----------------------------------|---------------------------|-------------------|---------------|
| Description                       | Manufacturer              | Model/Part Number | Serial Number |
| Ethertronics Dipole Antenna       | Ethertronics              | 1001932           | None          |
| ConnectCore i.MX6 Wi-Fi/Bluetooth | Etherios Design Solutions | 50001475-02       | 00409D 7C0392 |

| Peripherals in test setup boundary |              |                   |                |
|------------------------------------|--------------|-------------------|----------------|
| Description                        | Manufacturer | Model/Part Number | Serial Number  |
| Laptop Supply                      | Lenovo       | 42T5276           | None           |
| Laptop                             | Lenovo       | 2738-CTO          | L3-C2189 09/02 |
| DC Power Supply                    | Sorensen     | XEL 30-3D         | TQE            |

| Cables         |        |            |         |               |                                   |
|----------------|--------|------------|---------|---------------|-----------------------------------|
| Cable Type     | Shield | Length (m) | Ferrite | Connection 1  | Connection 2                      |
| AC Mains Cable | No     | 1.8m       | No      | AC Mains      | Laptop Supply                     |
| USB to Serial  | Yes    | 2.2m       | No      | Laptop        | ConnectCore i.MX6 Wi-Fi/Bluetooth |
| AC Mains Cable | No     | 1.80m      | No      | AC Mains      | Power Supply                      |
| DC Power       | No     | 1.80m      | Yes     | Laptop Supply | Laptop                            |
| DC Power       | No     | 1.20m      | No      | Power Supply  | ConnectCore i.MX6 Wi-Fi/Bluetooth |

# CONFIGURATIONS

## Configuration ETHE0018- 4

| Software/Firmware Running during test |  |  |  |            |  |
|---------------------------------------|--|--|--|------------|--|
| Description                           |  |  |  | Version    |  |
| HyperTerminal                         |  |  |  | 5.1.2600.0 |  |

| EUT                               |                           |                   |               |
|-----------------------------------|---------------------------|-------------------|---------------|
| Description                       | Manufacturer              | Model/Part Number | Serial Number |
| Yageo Omni Antenna                | Yageo                     | ANTX100P001B24003 | None          |
| ConnectCore i.MX6 Wi-Fi/Bluetooth | Etherios Design Solutions | 50001475-02       | 00409D 7C0392 |

| Peripherals in test setup boundary |              |                   |                |
|------------------------------------|--------------|-------------------|----------------|
| Description                        | Manufacturer | Model/Part Number | Serial Number  |
| Laptop Supply                      | Lenovo       | 42T5276           | None           |
| Laptop                             | Lenovo       | 2738-CTO          | L3-C2189 09/02 |
| DC Power Supply                    | Sorensen     | XEL 30-3D         | TQE            |

| Cables         |        |            |         |               |                                   |
|----------------|--------|------------|---------|---------------|-----------------------------------|
| Cable Type     | Shield | Length (m) | Ferrite | Connection 1  | Connection 2                      |
| AC Mains Cable | No     | 1.8m       | No      | AC Mains      | Laptop Supply                     |
| USB to Serial  | Yes    | 2.2m       | No      | Laptop        | ConnectCore i.MX6 Wi-Fi/Bluetooth |
| AC Mains Cable | No     | 1.80m      | No      | AC Mains      | Power Supply                      |
| DC Power       | No     | 1.80m      | Yes     | Laptop Supply | Laptop                            |
| DC Power       | No     | 1.20m      | No      | Power Supply  | ConnectCore i.MX6 Wi-Fi/Bluetooth |

# CONFIGURATIONS

## Configuration ETHE0018- 5

| Software/Firmware Running during test |  |  |  |         |  |
|---------------------------------------|--|--|--|---------|--|
| Description                           |  |  |  | Version |  |
| iPerf via command prompt              |  |  |  | Unknown |  |

| EUT                               |                           |                   |               |
|-----------------------------------|---------------------------|-------------------|---------------|
| Description                       | Manufacturer              | Model/Part Number | Serial Number |
| ConnectCore i.MX6 Wi-Fi/Bluetooth | Etherios Design Solutions | 5001475-02        | 00409D 7C03D9 |

| Remote Equipment Outside of Test Setup Boundary |              |                   |                |
|-------------------------------------------------|--------------|-------------------|----------------|
| Description                                     | Manufacturer | Model/Part Number | Serial Number  |
| Laptop Supply                                   | Lenovo       | 92P1160           | None           |
| Laptop                                          | Lenovo       | T400              | L3-A9984 08/09 |
| DC Power Supply                                 | EZ           | GP-4303D          | TPY            |

| Cables         |        |            |         |               |                                   |
|----------------|--------|------------|---------|---------------|-----------------------------------|
| Cable Type     | Shield | Length (m) | Ferrite | Connection 1  | Connection 2                      |
| AC Mains Cable | No     | 1.8m       | No      | AC Mains      | Laptop Supply                     |
| USB to Serial  | Yes    | 2.2m       | No      | Laptop        | ConnectCore i.MX6 Wi-Fi/Bluetooth |
| AC Mains Cable | No     | 1.80m      | No      | AC Mains      | Power Supply                      |
| DC Power       | No     | 1.80m      | Yes     | Laptop Supply | Laptop                            |
| DC Power       | No     | 1.20m      | No      | Power Supply  | ConnectCore i.MX6 Wi-Fi/Bluetooth |

# MODIFICATIONS

## Equipment Modifications

| Item | Date      | Test                              | Modification                         | Note                                                                | Disposition of EUT                                |
|------|-----------|-----------------------------------|--------------------------------------|---------------------------------------------------------------------|---------------------------------------------------|
| 1    | 12/8/2014 | Duty Cycle                        | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 2    | 12/8/2014 | Occupied Bandwidth                | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 3    | 12/8/2014 | Output Power                      | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 4    | 12/8/2014 | Spurious Conducted Emissions      | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 5    | 12/8/2014 | Band Edge Compliance              | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 6    | 12/8/2014 | Band edge Compliance-Hopping Mode | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 7    | 12/8/2014 | Channel Separation                | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 8    | 12/8/2014 | Number of Hopping Channels        | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 9    | 12/8/2014 | Dwell Time                        | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 10   | 1/9/2015  | Spurious Radiated Emissions       | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | EUT remained at Northwest EMC following the test. |
| 11   | 1/26/2015 | AC Powerline Conducted Emissions  | Tested as delivered to Test Station. | No EMI suppression devices were added or modified during this test. | Scheduled testing was completed.                  |

# AC POWERLINE CONDUCTED EMISSIONS

## TEST DESCRIPTION

Using the mode of operation and configuration noted within this report, conducted emissions tests were performed. The frequency range investigated (scanned), is also noted in this report. Conducted power line measurements are made, unless otherwise specified, over the frequency range from 150 kHz to 30 MHz to determine the line-to-ground radio-noise voltage that is conducted from the EUT power-input terminals that are directly (or indirectly via separate transformer or power supplies) connected to a public power network. Equipment is tested with power cords that are normally used or that have electrical or shielding characteristics that are the same as those cords normally used. Typically those measurements are made using a LISN (Line Impedance Stabilization Network), the 50  $\Omega$  measuring port is terminated by a 50  $\Omega$  EMI meter or a 50  $\Omega$  resistive load. All 50  $\Omega$  measuring ports of the LISN are terminated by 50 $\Omega$ .

## TEST EQUIPMENT

| Description          | Manufacturer       | Model            | ID  | Last Cal.  | Interval |
|----------------------|--------------------|------------------|-----|------------|----------|
| LISN                 | Solar Electronics  | 9252-50-R-24-BNC | LIY | 05/15/2014 | 12 mo    |
| Attenuator 20dB, BNC | Fairview Microwave | SA01B-20         | AQP | 07/22/2014 | 12 mo    |
| Receiver             | Rohde & Schwarz    | ESR7             | ARI | 05/06/2014 | 12 mo    |
| High Pass Filter     | TTE                | H97-100K-50-720B | HGN | 05/23/2014 | 12 mo    |
| MN03 Cables          | ESM Cable Corp.    | Conducted Cables | MNC | 11/20/2014 | 12 mo    |

## MEASUREMENT UNCERTAINTY

| Description  |        |         |
|--------------|--------|---------|
| Expanded k=2 | 2.4 dB | -2.4 dB |

## CONFIGURATIONS INVESTIGATED

ETHE0018-5

## MODES INVESTIGATED

Transmitting EDR DH5 High Channel 2480 MHz  
Transmitting EDR DH5 Low Channel 2402 MHz  
Transmitting EDR DH5 Mid Channel 2440 MHz

# AC POWERLINE CONDUCTED EMISSIONS

|                   |                                  |                    |            |
|-------------------|----------------------------------|--------------------|------------|
| EUT:              | ConnectCore i.MX6 WiFi/Bluetooth | Work Order:        | ETHE0018   |
| Serial Number:    | 00409D 7C03CD                    | Date:              | 01/26/2015 |
| Customer:         | Etherios Design Solutions        | Temperature:       | 18.1°C     |
| Attendees:        | None                             | Relative Humidity: | 48.5%      |
| Customer Project: | None                             | Bar. Pressure:     | 1007.4 mb  |
| Tested By:        | Brandon Hobbs                    | Job Site:          | MN03       |
| Power:            | 5VDC                             | Configuration:     | ETHE0018-5 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2015 | ANSI C63.10:2009 |

## TEST PARAMETERS

|        |   |       |               |                        |    |
|--------|---|-------|---------------|------------------------|----|
| Run #: | 4 | Line: | Negative Lead | Ext. Attenuation (dB): | 20 |
|--------|---|-------|---------------|------------------------|----|

## COMMENTS

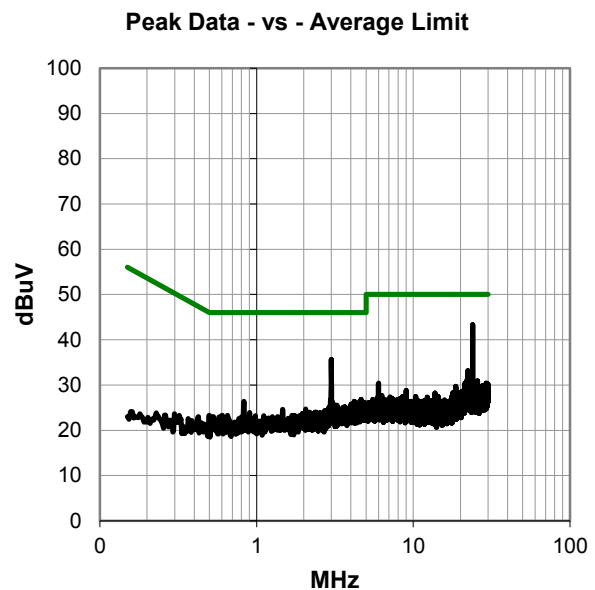
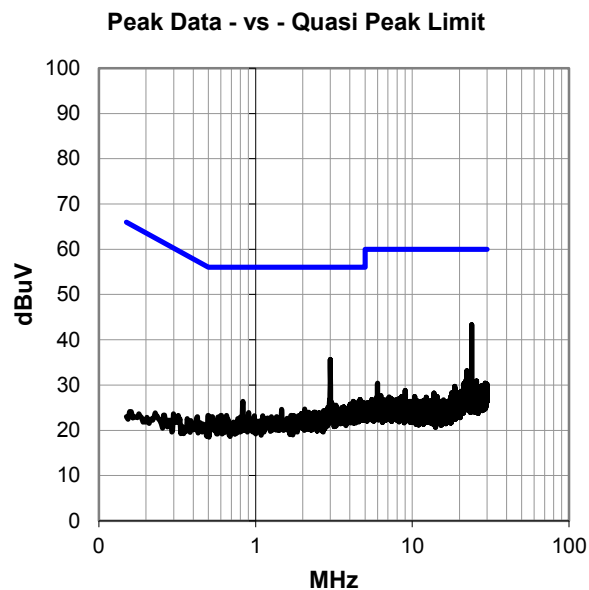
None

## EUT OPERATING MODES

Transmitting EDR DH5 Low Channel 2402 MHz

## DEVIATIONS FROM TEST STANDARD

None



# AC POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #4

Peak Data - vs - Quasi Peak Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 21.5        | 21.8        | 43.3            | 60.0               | -16.7       |
| 2.997      | 15.3        | 20.3        | 35.6            | 56.0               | -20.4       |
| 22.378     | 11.5        | 21.7        | 33.2            | 60.0               | -26.8       |
| 22.188     | 10.1        | 21.7        | 31.8            | 60.0               | -28.2       |
| 22.367     | 9.6         | 21.7        | 31.3            | 60.0               | -28.7       |
| 22.046     | 9.4         | 21.7        | 31.1            | 60.0               | -28.9       |
| 22.136     | 9.3         | 21.7        | 31.0            | 60.0               | -29.0       |
| 25.773     | 8.9         | 22.0        | 30.9            | 60.0               | -29.1       |
| 2.967      | 6.5         | 20.3        | 26.8            | 56.0               | -29.2       |
| 4.649      | 6.4         | 20.4        | 26.8            | 56.0               | -29.2       |
| 22.471     | 9.0         | 21.7        | 30.7            | 60.0               | -29.3       |
| 22.609     | 8.8         | 21.7        | 30.5            | 60.0               | -29.5       |
| 22.303     | 8.8         | 21.7        | 30.5            | 60.0               | -29.5       |
| 25.355     | 8.5         | 22.0        | 30.5            | 60.0               | -29.5       |
| 21.979     | 8.8         | 21.7        | 30.5            | 60.0               | -29.5       |
| 6.000      | 9.9         | 20.5        | 30.4            | 60.0               | -29.6       |
| 29.217     | 8.0         | 22.4        | 30.4            | 60.0               | -29.6       |
| 22.568     | 8.7         | 21.7        | 30.4            | 60.0               | -29.6       |
| 0.829      | 6.2         | 20.2        | 26.4            | 56.0               | -29.6       |
| 21.423     | 8.8         | 21.6        | 30.4            | 60.0               | -29.6       |
| 4.564      | 6.0         | 20.4        | 26.4            | 56.0               | -29.6       |
| 4.209      | 6.0         | 20.4        | 26.4            | 56.0               | -29.6       |
| 29.996     | 7.7         | 22.5        | 30.2            | 60.0               | -29.8       |
| 29.858     | 7.7         | 22.5        | 30.2            | 60.0               | -29.8       |
| 4.881      | 5.7         | 20.4        | 26.1            | 56.0               | -29.9       |
| 24.098     | 8.3         | 21.8        | 30.1            | 60.0               | -29.9       |

Peak Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 21.5        | 21.8        | 43.3            | 50.0               | -6.7        |
| 2.997      | 15.3        | 20.3        | 35.6            | 46.0               | -10.4       |
| 22.378     | 11.5        | 21.7        | 33.2            | 50.0               | -16.8       |
| 22.188     | 10.1        | 21.7        | 31.8            | 50.0               | -18.2       |
| 22.367     | 9.6         | 21.7        | 31.3            | 50.0               | -18.7       |
| 22.046     | 9.4         | 21.7        | 31.1            | 50.0               | -18.9       |
| 22.136     | 9.3         | 21.7        | 31.0            | 50.0               | -19.0       |
| 25.773     | 8.9         | 22.0        | 30.9            | 50.0               | -19.1       |
| 2.967      | 6.5         | 20.3        | 26.8            | 46.0               | -19.2       |
| 4.649      | 6.4         | 20.4        | 26.8            | 46.0               | -19.2       |
| 22.471     | 9.0         | 21.7        | 30.7            | 50.0               | -19.3       |
| 22.609     | 8.8         | 21.7        | 30.5            | 50.0               | -19.5       |
| 22.303     | 8.8         | 21.7        | 30.5            | 50.0               | -19.5       |
| 25.355     | 8.5         | 22.0        | 30.5            | 50.0               | -19.5       |
| 21.979     | 8.8         | 21.7        | 30.5            | 50.0               | -19.5       |
| 6.000      | 9.9         | 20.5        | 30.4            | 50.0               | -19.6       |
| 29.217     | 8.0         | 22.4        | 30.4            | 50.0               | -19.6       |
| 22.568     | 8.7         | 21.7        | 30.4            | 50.0               | -19.6       |
| 0.829      | 6.2         | 20.2        | 26.4            | 46.0               | -19.6       |
| 21.423     | 8.8         | 21.6        | 30.4            | 50.0               | -19.6       |
| 4.564      | 6.0         | 20.4        | 26.4            | 46.0               | -19.6       |
| 4.209      | 6.0         | 20.4        | 26.4            | 46.0               | -19.6       |
| 29.996     | 7.7         | 22.5        | 30.2            | 50.0               | -19.8       |
| 29.858     | 7.7         | 22.5        | 30.2            | 50.0               | -19.8       |
| 4.881      | 5.7         | 20.4        | 26.1            | 46.0               | -19.9       |
| 24.098     | 8.3         | 21.8        | 30.1            | 50.0               | -19.9       |

## CONCLUSION

Pass



Tested By

# AC POWERLINE CONDUCTED EMISSIONS

|                   |                                  |                    |            |
|-------------------|----------------------------------|--------------------|------------|
| EUT:              | ConnectCore i.MX6 WiFi/Bluetooth | Work Order:        | ETHE0018   |
| Serial Number:    | 00409D 7C03CD                    | Date:              | 01/26/2015 |
| Customer:         | Etherios Design Solutions        | Temperature:       | 18.1°C     |
| Attendees:        | None                             | Relative Humidity: | 48.5%      |
| Customer Project: | None                             | Bar. Pressure:     | 1007.4 mb  |
| Tested By:        | Brandon Hobbs                    | Job Site:          | MN03       |
| Power:            | 5VDC                             | Configuration:     | ETHE0018-5 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2015 | ANSI C63.10:2009 |

## TEST PARAMETERS

|        |   |       |               |                        |    |
|--------|---|-------|---------------|------------------------|----|
| Run #: | 5 | Line: | Positive Lead | Ext. Attenuation (dB): | 20 |
|--------|---|-------|---------------|------------------------|----|

## COMMENTS

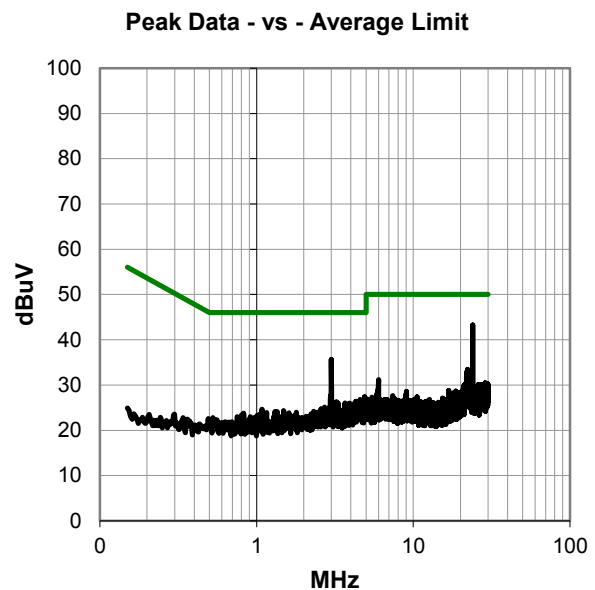
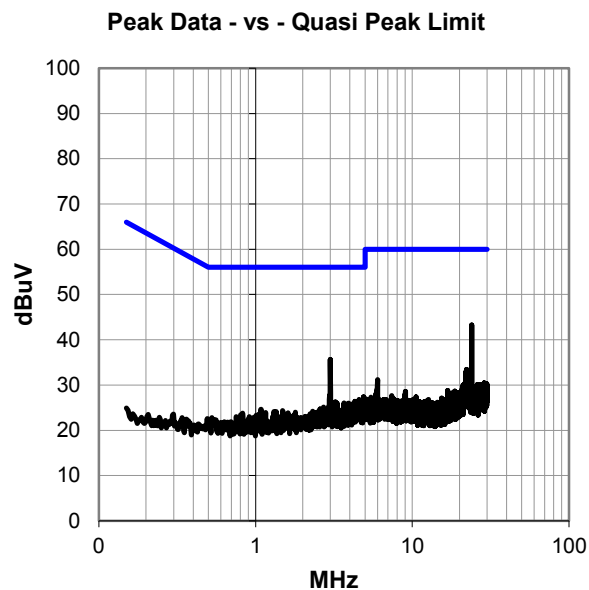
None

## EUT OPERATING MODES

Transmitting EDR DH5 Low Channel 2402 MHz

## DEVIATIONS FROM TEST STANDARD

None



# AC POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #5

Peak Data - vs - Quasi Peak Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 21.4        | 21.8        | 43.2            | 60.0               | -16.8       |
| 3.000      | 15.3        | 20.3        | 35.6            | 56.0               | -20.4       |
| 22.225     | 11.8        | 21.7        | 33.5            | 60.0               | -26.5       |
| 22.356     | 11.5        | 21.7        | 33.2            | 60.0               | -26.8       |
| 21.975     | 11.4        | 21.7        | 33.1            | 60.0               | -26.9       |
| 22.132     | 11.3        | 21.7        | 33.0            | 60.0               | -27.0       |
| 21.893     | 11.1        | 21.6        | 32.7            | 60.0               | -27.3       |
| 22.098     | 10.9        | 21.7        | 32.6            | 60.0               | -27.4       |
| 21.945     | 10.8        | 21.7        | 32.5            | 60.0               | -27.6       |
| 22.441     | 10.6        | 21.7        | 32.3            | 60.0               | -27.7       |
| 22.307     | 10.6        | 21.7        | 32.3            | 60.0               | -27.7       |
| 21.919     | 10.4        | 21.6        | 32.0            | 60.0               | -28.0       |
| 22.035     | 10.3        | 21.7        | 32.0            | 60.0               | -28.0       |
| 22.490     | 10.2        | 21.7        | 31.9            | 60.0               | -28.1       |
| 2.967      | 7.4         | 20.3        | 27.7            | 56.0               | -28.3       |
| 4.888      | 6.9         | 20.4        | 27.3            | 56.0               | -28.7       |
| 6.004      | 10.7        | 20.5        | 31.2            | 60.0               | -28.8       |
| 22.818     | 9.4         | 21.7        | 31.1            | 60.0               | -28.9       |
| 4.586      | 6.4         | 20.4        | 26.8            | 56.0               | -29.2       |
| 21.807     | 9.0         | 21.6        | 30.6            | 60.0               | -29.4       |
| 4.959      | 6.1         | 20.5        | 26.6            | 56.0               | -29.4       |
| 4.631      | 6.1         | 20.4        | 26.5            | 56.0               | -29.5       |
| 28.784     | 8.1         | 22.4        | 30.5            | 60.0               | -29.5       |
| 3.026      | 6.1         | 20.3        | 26.4            | 56.0               | -29.6       |
| 4.705      | 6.0         | 20.4        | 26.4            | 56.0               | -29.6       |
| 4.575      | 6.0         | 20.4        | 26.4            | 56.0               | -29.6       |

Peak Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 21.4        | 21.8        | 43.2            | 50.0               | -6.8        |
| 3.000      | 15.3        | 20.3        | 35.6            | 46.0               | -10.4       |
| 22.225     | 11.8        | 21.7        | 33.5            | 50.0               | -16.5       |
| 22.356     | 11.5        | 21.7        | 33.2            | 50.0               | -16.8       |
| 21.975     | 11.4        | 21.7        | 33.1            | 50.0               | -16.9       |
| 22.132     | 11.3        | 21.7        | 33.0            | 50.0               | -17.0       |
| 21.893     | 11.1        | 21.6        | 32.7            | 50.0               | -17.3       |
| 22.098     | 10.9        | 21.7        | 32.6            | 50.0               | -17.4       |
| 21.945     | 10.8        | 21.7        | 32.5            | 50.0               | -17.6       |
| 22.441     | 10.6        | 21.7        | 32.3            | 50.0               | -17.7       |
| 22.307     | 10.6        | 21.7        | 32.3            | 50.0               | -17.7       |
| 21.919     | 10.4        | 21.6        | 32.0            | 50.0               | -18.0       |
| 22.035     | 10.3        | 21.7        | 32.0            | 50.0               | -18.0       |
| 22.490     | 10.2        | 21.7        | 31.9            | 50.0               | -18.1       |
| 2.967      | 7.4         | 20.3        | 27.7            | 46.0               | -18.3       |
| 4.888      | 6.9         | 20.4        | 27.3            | 46.0               | -18.7       |
| 6.004      | 10.7        | 20.5        | 31.2            | 50.0               | -18.8       |
| 22.818     | 9.4         | 21.7        | 31.1            | 50.0               | -18.9       |
| 4.586      | 6.4         | 20.4        | 26.8            | 46.0               | -19.2       |
| 21.807     | 9.0         | 21.6        | 30.6            | 50.0               | -19.4       |
| 4.959      | 6.1         | 20.5        | 26.6            | 46.0               | -19.4       |
| 4.631      | 6.1         | 20.4        | 26.5            | 46.0               | -19.5       |
| 28.784     | 8.1         | 22.4        | 30.5            | 50.0               | -19.5       |
| 3.026      | 6.1         | 20.3        | 26.4            | 46.0               | -19.6       |
| 4.705      | 6.0         | 20.4        | 26.4            | 46.0               | -19.6       |
| 4.575      | 6.0         | 20.4        | 26.4            | 46.0               | -19.6       |

## CONCLUSION

Pass



Tested By

# AC POWERLINE CONDUCTED EMISSIONS

|                   |                                  |                    |            |
|-------------------|----------------------------------|--------------------|------------|
| EUT:              | ConnectCore i.MX6 WiFi/Bluetooth | Work Order:        | ETHE0018   |
| Serial Number:    | 00409D 7C03CD                    | Date:              | 01/26/2015 |
| Customer:         | Etherios Design Solutions        | Temperature:       | 18.1°C     |
| Attendees:        | None                             | Relative Humidity: | 48.5%      |
| Customer Project: | None                             | Bar. Pressure:     | 1007.4 mb  |
| Tested By:        | Brandon Hobbs                    | Job Site:          | MN03       |
| Power:            | 5VDC                             | Configuration:     | ETHE0018-5 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2015 | ANSI C63.10:2009 |

## TEST PARAMETERS

|        |   |       |               |                        |    |
|--------|---|-------|---------------|------------------------|----|
| Run #: | 6 | Line: | Positive Lead | Ext. Attenuation (dB): | 20 |
|--------|---|-------|---------------|------------------------|----|

## COMMENTS

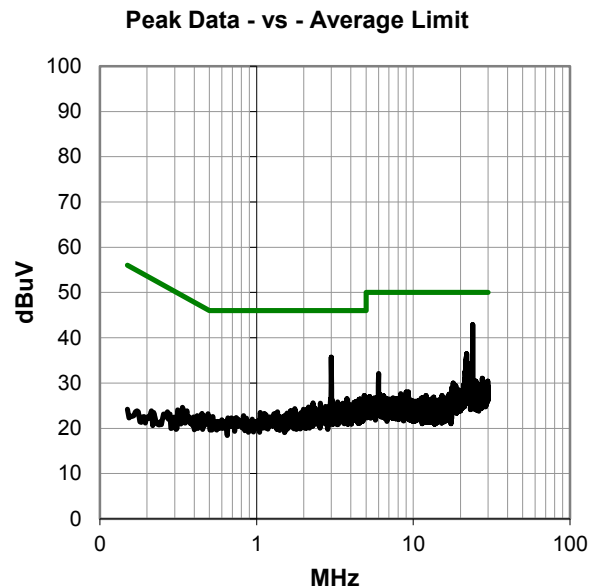
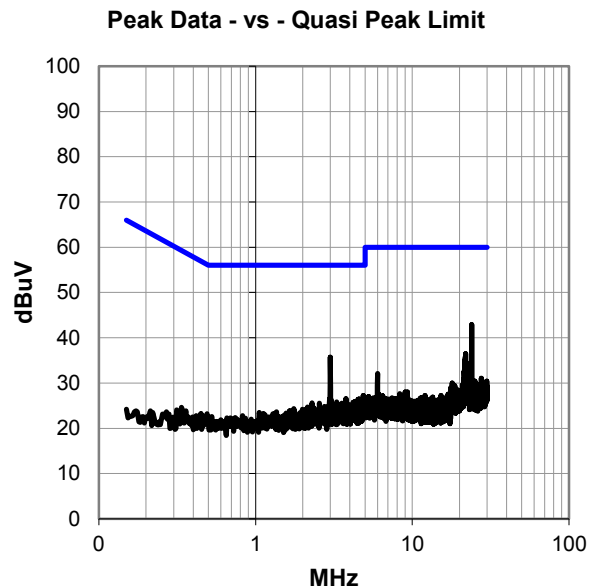
None

## EUT OPERATING MODES

Transmitting EDR DH5 Mid Channel 2440 MHz

## DEVIATIONS FROM TEST STANDARD

None



# AC POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #6

Peak Data - vs - Quasi Peak Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 21.1        | 21.8        | 42.9            | 60.0               | -17.1       |
| 3.000      | 15.4        | 20.3        | 35.7            | 56.0               | -20.3       |
| 21.889     | 14.8        | 21.6        | 36.4            | 60.0               | -23.6       |
| 21.863     | 14.1        | 21.6        | 35.7            | 60.0               | -24.3       |
| 21.665     | 13.6        | 21.6        | 35.2            | 60.0               | -24.8       |
| 21.770     | 13.4        | 21.6        | 35.0            | 60.0               | -25.0       |
| 22.050     | 12.9        | 21.7        | 34.6            | 60.0               | -25.4       |
| 22.180     | 12.6        | 21.7        | 34.3            | 60.0               | -25.7       |
| 21.983     | 12.6        | 21.7        | 34.3            | 60.0               | -25.7       |
| 22.150     | 12.0        | 21.7        | 33.7            | 60.0               | -26.3       |
| 21.733     | 11.9        | 21.6        | 33.5            | 60.0               | -26.5       |
| 22.359     | 11.6        | 21.7        | 33.3            | 60.0               | -26.7       |
| 21.591     | 11.1        | 21.6        | 32.7            | 60.0               | -27.3       |
| 21.460     | 11.1        | 21.6        | 32.7            | 60.0               | -27.3       |
| 21.636     | 11.0        | 21.6        | 32.6            | 60.0               | -27.4       |
| 22.288     | 10.8        | 21.7        | 32.5            | 60.0               | -27.5       |
| 21.602     | 10.8        | 21.6        | 32.4            | 60.0               | -27.6       |
| 22.468     | 10.6        | 21.7        | 32.3            | 60.0               | -27.7       |
| 6.000      | 11.6        | 20.5        | 32.1            | 60.0               | -27.9       |
| 22.587     | 10.1        | 21.7        | 31.8            | 60.0               | -28.2       |
| 22.673     | 9.6         | 21.7        | 31.3            | 60.0               | -28.7       |
| 4.866      | 6.8         | 20.4        | 27.2            | 56.0               | -28.8       |
| 27.549     | 8.8         | 22.2        | 31.0            | 60.0               | -29.0       |
| 22.811     | 9.0         | 21.7        | 30.7            | 60.0               | -29.3       |
| 3.776      | 6.2         | 20.4        | 26.6            | 56.0               | -29.4       |
| 2.970      | 6.2         | 20.3        | 26.5            | 56.0               | -29.5       |

Peak Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 21.1        | 21.8        | 42.9            | 50.0               | -7.1        |
| 3.000      | 15.4        | 20.3        | 35.7            | 46.0               | -10.3       |
| 21.889     | 14.8        | 21.6        | 36.4            | 50.0               | -13.6       |
| 21.863     | 14.1        | 21.6        | 35.7            | 50.0               | -14.3       |
| 21.665     | 13.6        | 21.6        | 35.2            | 50.0               | -14.8       |
| 21.770     | 13.4        | 21.6        | 35.0            | 50.0               | -15.0       |
| 22.050     | 12.9        | 21.7        | 34.6            | 50.0               | -15.4       |
| 22.180     | 12.6        | 21.7        | 34.3            | 50.0               | -15.7       |
| 21.983     | 12.6        | 21.7        | 34.3            | 50.0               | -15.7       |
| 22.150     | 12.0        | 21.7        | 33.7            | 50.0               | -16.3       |
| 21.733     | 11.9        | 21.6        | 33.5            | 50.0               | -16.5       |
| 22.359     | 11.6        | 21.7        | 33.3            | 50.0               | -16.7       |
| 21.591     | 11.1        | 21.6        | 32.7            | 50.0               | -17.3       |
| 21.460     | 11.1        | 21.6        | 32.7            | 50.0               | -17.3       |
| 21.636     | 11.0        | 21.6        | 32.6            | 50.0               | -17.4       |
| 22.288     | 10.8        | 21.7        | 32.5            | 50.0               | -17.5       |
| 21.602     | 10.8        | 21.6        | 32.4            | 50.0               | -17.6       |
| 22.468     | 10.6        | 21.7        | 32.3            | 50.0               | -17.7       |
| 6.000      | 11.6        | 20.5        | 32.1            | 50.0               | -17.9       |
| 22.587     | 10.1        | 21.7        | 31.8            | 50.0               | -18.2       |
| 22.673     | 9.6         | 21.7        | 31.3            | 50.0               | -18.7       |
| 4.866      | 6.8         | 20.4        | 27.2            | 46.0               | -18.8       |
| 27.549     | 8.8         | 22.2        | 31.0            | 50.0               | -19.0       |
| 22.811     | 9.0         | 21.7        | 30.7            | 50.0               | -19.3       |
| 3.776      | 6.2         | 20.4        | 26.6            | 46.0               | -19.4       |
| 2.970      | 6.2         | 20.3        | 26.5            | 46.0               | -19.5       |

## CONCLUSION

Pass



Tested By

# AC POWERLINE CONDUCTED EMISSIONS

|                   |                                  |                    |            |
|-------------------|----------------------------------|--------------------|------------|
| EUT:              | ConnectCore i.MX6 WiFi/Bluetooth | Work Order:        | ETHE0018   |
| Serial Number:    | 00409D 7C03CD                    | Date:              | 01/26/2015 |
| Customer:         | Etherios Design Solutions        | Temperature:       | 18.1°C     |
| Attendees:        | None                             | Relative Humidity: | 48.5%      |
| Customer Project: | None                             | Bar. Pressure:     | 1007.4 mb  |
| Tested By:        | Brandon Hobbs                    | Job Site:          | MN03       |
| Power:            | 5VDC                             | Configuration:     | ETHE0018-5 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2015 | ANSI C63.10:2009 |

## TEST PARAMETERS

|        |   |       |               |                        |    |
|--------|---|-------|---------------|------------------------|----|
| Run #: | 7 | Line: | Negative Lead | Ext. Attenuation (dB): | 20 |
|--------|---|-------|---------------|------------------------|----|

## COMMENTS

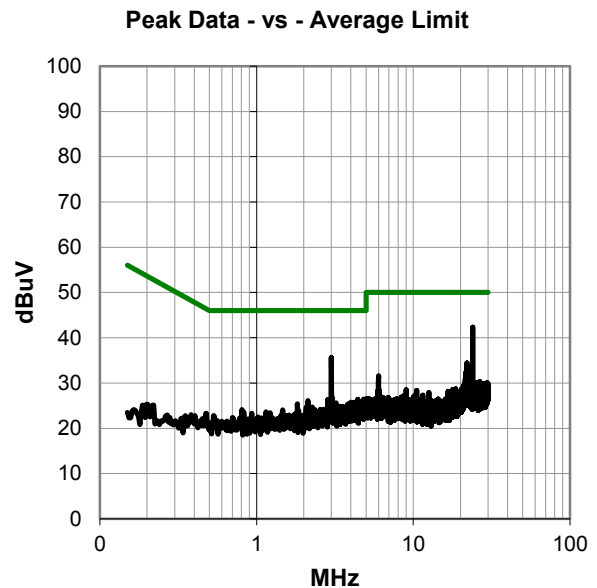
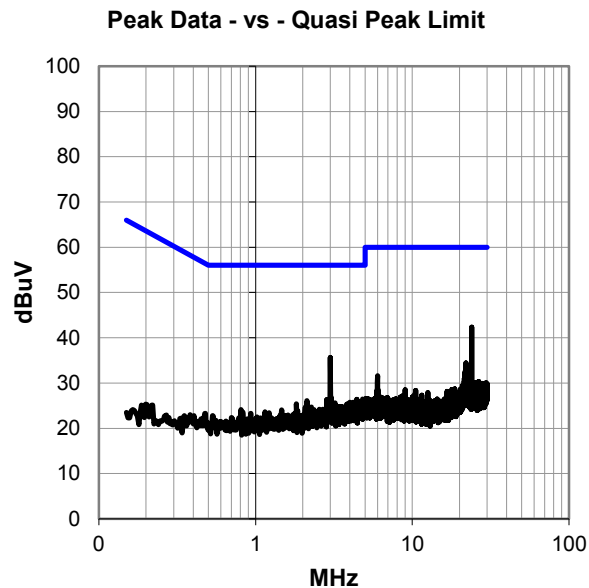
|      |
|------|
| None |
|------|

## EUT OPERATING MODES

|                                           |
|-------------------------------------------|
| Transmitting EDR DH5 Mid Channel 2440 MHz |
|-------------------------------------------|

## DEVIATIONS FROM TEST STANDARD

|      |
|------|
| None |
|------|



# AC POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #7

Peak Data - vs - Quasi Peak Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 20.5        | 21.8        | 42.3            | 60.0               | -17.7       |
| 3.000      | 15.3        | 20.3        | 35.6            | 56.0               | -20.4       |
| 22.053     | 12.8        | 21.7        | 34.5            | 60.0               | -25.5       |
| 21.968     | 11.2        | 21.7        | 32.9            | 60.0               | -27.1       |
| 21.908     | 11.2        | 21.6        | 32.8            | 60.0               | -27.2       |
| 22.165     | 11.1        | 21.7        | 32.8            | 60.0               | -27.2       |
| 22.005     | 11.0        | 21.7        | 32.7            | 60.0               | -27.3       |
| 21.830     | 11.0        | 21.6        | 32.6            | 60.0               | -27.4       |
| 21.815     | 10.8        | 21.6        | 32.4            | 60.0               | -27.6       |
| 22.068     | 10.7        | 21.7        | 32.4            | 60.0               | -27.6       |
| 21.878     | 10.5        | 21.6        | 32.1            | 60.0               | -27.9       |
| 21.762     | 10.5        | 21.6        | 32.1            | 60.0               | -27.9       |
| 21.688     | 10.3        | 21.6        | 31.9            | 60.0               | -28.1       |
| 22.427     | 10.2        | 21.7        | 31.9            | 60.0               | -28.1       |
| 22.400     | 10.1        | 21.7        | 31.8            | 60.0               | -28.2       |
| 6.000      | 11.1        | 20.5        | 31.6            | 60.0               | -28.4       |
| 22.322     | 9.8         | 21.7        | 31.5            | 60.0               | -28.5       |
| 22.221     | 9.7         | 21.7        | 31.4            | 60.0               | -28.6       |
| 22.080     | 9.5         | 21.7        | 31.2            | 60.0               | -28.8       |
| 21.792     | 9.4         | 21.6        | 31.0            | 60.0               | -29.0       |
| 21.554     | 9.4         | 21.6        | 31.0            | 60.0               | -29.0       |
| 3.030      | 6.6         | 20.3        | 26.9            | 56.0               | -29.1       |
| 22.501     | 8.9         | 21.7        | 30.6            | 60.0               | -29.4       |
| 21.565     | 8.9         | 21.6        | 30.5            | 60.0               | -29.5       |
| 4.832      | 6.0         | 20.4        | 26.4            | 56.0               | -29.6       |
| 4.429      | 6.0         | 20.4        | 26.4            | 56.0               | -29.6       |

Peak Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 20.5        | 21.8        | 42.3            | 50.0               | -7.7        |
| 3.000      | 15.3        | 20.3        | 35.6            | 46.0               | -10.4       |
| 22.053     | 12.8        | 21.7        | 34.5            | 50.0               | -15.5       |
| 21.968     | 11.2        | 21.7        | 32.9            | 50.0               | -17.1       |
| 21.908     | 11.2        | 21.6        | 32.8            | 50.0               | -17.2       |
| 22.165     | 11.1        | 21.7        | 32.8            | 50.0               | -17.2       |
| 22.005     | 11.0        | 21.7        | 32.7            | 50.0               | -17.3       |
| 21.830     | 11.0        | 21.6        | 32.6            | 50.0               | -17.4       |
| 21.815     | 10.8        | 21.6        | 32.4            | 50.0               | -17.6       |
| 22.068     | 10.7        | 21.7        | 32.4            | 50.0               | -17.6       |
| 21.878     | 10.5        | 21.6        | 32.1            | 50.0               | -17.9       |
| 21.762     | 10.5        | 21.6        | 32.1            | 50.0               | -17.9       |
| 21.688     | 10.3        | 21.6        | 31.9            | 50.0               | -18.1       |
| 22.427     | 10.2        | 21.7        | 31.9            | 50.0               | -18.1       |
| 22.400     | 10.1        | 21.7        | 31.8            | 50.0               | -18.2       |
| 6.000      | 11.1        | 20.5        | 31.6            | 50.0               | -18.4       |
| 22.322     | 9.8         | 21.7        | 31.5            | 50.0               | -18.5       |
| 22.221     | 9.7         | 21.7        | 31.4            | 50.0               | -18.6       |
| 22.080     | 9.5         | 21.7        | 31.2            | 50.0               | -18.8       |
| 21.792     | 9.4         | 21.6        | 31.0            | 50.0               | -19.0       |
| 21.554     | 9.4         | 21.6        | 31.0            | 50.0               | -19.0       |
| 3.030      | 6.6         | 20.3        | 26.9            | 46.0               | -19.1       |
| 22.501     | 8.9         | 21.7        | 30.6            | 50.0               | -19.4       |
| 21.565     | 8.9         | 21.6        | 30.5            | 50.0               | -19.5       |
| 4.832      | 6.0         | 20.4        | 26.4            | 46.0               | -19.6       |
| 4.429      | 6.0         | 20.4        | 26.4            | 46.0               | -19.6       |

## CONCLUSION

Pass



Tested By

# AC POWERLINE CONDUCTED EMISSIONS

|                   |                                  |                    |            |
|-------------------|----------------------------------|--------------------|------------|
| EUT:              | ConnectCore i.MX6 WiFi/Bluetooth | Work Order:        | ETHE0018   |
| Serial Number:    | 00409D 7C03CD                    | Date:              | 01/26/2015 |
| Customer:         | Etherios Design Solutions        | Temperature:       | 18.1°C     |
| Attendees:        | None                             | Relative Humidity: | 48.5%      |
| Customer Project: | None                             | Bar. Pressure:     | 1007.4 mb  |
| Tested By:        | Brandon Hobbs                    | Job Site:          | MN03       |
| Power:            | 5VDC                             | Configuration:     | ETHE0018-5 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2015 | ANSI C63.10:2009 |

## TEST PARAMETERS

|        |   |       |               |                        |    |
|--------|---|-------|---------------|------------------------|----|
| Run #: | 8 | Line: | Negative Lead | Ext. Attenuation (dB): | 20 |
|--------|---|-------|---------------|------------------------|----|

## COMMENTS

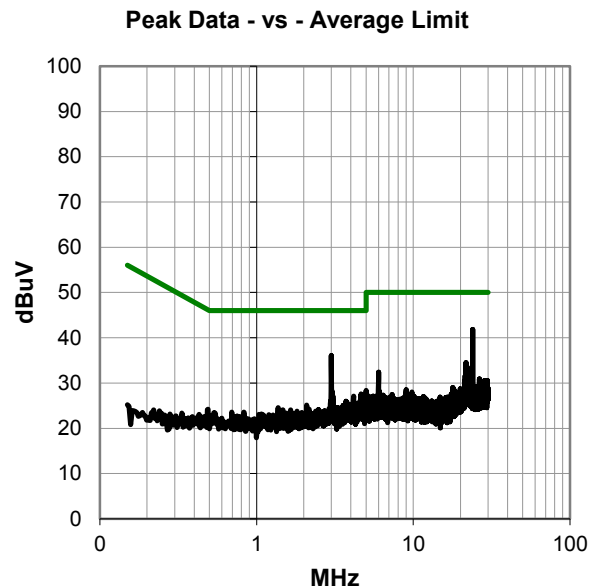
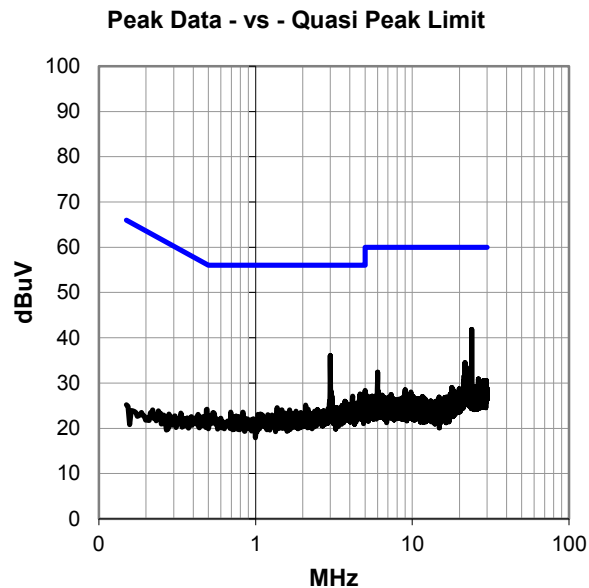
None

## EUT OPERATING MODES

Transmitting EDR DH5 High Channel 2480 MHz

## DEVIATIONS FROM TEST STANDARD

None



# AC POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #8

Peak Data - vs - Quasi Peak Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 20.0        | 21.8        | 41.8            | 60.0               | -18.2       |
| 3.000      | 15.7        | 20.3        | 36.0            | 56.0               | -20.0       |
| 21.714     | 12.9        | 21.6        | 34.5            | 60.0               | -25.5       |
| 21.949     | 11.9        | 21.7        | 33.6            | 60.0               | -26.4       |
| 22.180     | 11.8        | 21.7        | 33.5            | 60.0               | -26.5       |
| 21.927     | 11.6        | 21.6        | 33.2            | 60.0               | -26.8       |
| 21.792     | 11.5        | 21.6        | 33.1            | 60.0               | -26.9       |
| 21.658     | 11.1        | 21.6        | 32.7            | 60.0               | -27.3       |
| 22.124     | 10.8        | 21.7        | 32.5            | 60.0               | -27.5       |
| 22.031     | 10.8        | 21.7        | 32.5            | 60.0               | -27.5       |
| 6.004      | 11.9        | 20.5        | 32.4            | 60.0               | -27.6       |
| 21.863     | 10.7        | 21.6        | 32.3            | 60.0               | -27.7       |
| 3.034      | 7.8         | 20.3        | 28.1            | 56.0               | -27.9       |
| 22.292     | 10.2        | 21.7        | 31.9            | 60.0               | -28.1       |
| 21.695     | 10.2        | 21.6        | 31.8            | 60.0               | -28.2       |
| 22.538     | 10.1        | 21.7        | 31.8            | 60.0               | -28.2       |
| 21.501     | 10.1        | 21.6        | 31.7            | 60.0               | -28.3       |
| 21.554     | 10.0        | 21.6        | 31.6            | 60.0               | -28.4       |
| 4.653      | 7.2         | 20.4        | 27.6            | 56.0               | -28.4       |
| 21.990     | 9.9         | 21.7        | 31.6            | 60.0               | -28.4       |
| 21.587     | 9.9         | 21.6        | 31.5            | 60.0               | -28.5       |
| 22.400     | 9.8         | 21.7        | 31.5            | 60.0               | -28.5       |
| 4.668      | 6.9         | 20.4        | 27.3            | 56.0               | -28.7       |
| 22.270     | 9.5         | 21.7        | 31.2            | 60.0               | -28.8       |
| 3.075      | 6.8         | 20.3        | 27.1            | 56.0               | -28.9       |
| 4.161      | 6.7         | 20.4        | 27.1            | 56.0               | -28.9       |

Peak Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 20.0        | 21.8        | 41.8            | 50.0               | -8.2        |
| 3.000      | 15.7        | 20.3        | 36.0            | 46.0               | -10.0       |
| 21.714     | 12.9        | 21.6        | 34.5            | 50.0               | -15.5       |
| 21.949     | 11.9        | 21.7        | 33.6            | 50.0               | -16.4       |
| 22.180     | 11.8        | 21.7        | 33.5            | 50.0               | -16.5       |
| 21.927     | 11.6        | 21.6        | 33.2            | 50.0               | -16.8       |
| 21.792     | 11.5        | 21.6        | 33.1            | 50.0               | -16.9       |
| 21.658     | 11.1        | 21.6        | 32.7            | 50.0               | -17.3       |
| 22.124     | 10.8        | 21.7        | 32.5            | 50.0               | -17.5       |
| 22.031     | 10.8        | 21.7        | 32.5            | 50.0               | -17.5       |
| 6.004      | 11.9        | 20.5        | 32.4            | 50.0               | -17.6       |
| 21.863     | 10.7        | 21.6        | 32.3            | 50.0               | -17.7       |
| 3.034      | 7.8         | 20.3        | 28.1            | 46.0               | -17.9       |
| 22.292     | 10.2        | 21.7        | 31.9            | 50.0               | -18.1       |
| 21.695     | 10.2        | 21.6        | 31.8            | 50.0               | -18.2       |
| 22.538     | 10.1        | 21.7        | 31.8            | 50.0               | -18.2       |
| 21.501     | 10.1        | 21.6        | 31.7            | 50.0               | -18.3       |
| 21.554     | 10.0        | 21.6        | 31.6            | 50.0               | -18.4       |
| 4.653      | 7.2         | 20.4        | 27.6            | 46.0               | -18.4       |
| 21.990     | 9.9         | 21.7        | 31.6            | 50.0               | -18.4       |
| 21.587     | 9.9         | 21.6        | 31.5            | 50.0               | -18.5       |
| 22.400     | 9.8         | 21.7        | 31.5            | 50.0               | -18.5       |
| 4.668      | 6.9         | 20.4        | 27.3            | 46.0               | -18.7       |
| 22.270     | 9.5         | 21.7        | 31.2            | 50.0               | -18.8       |
| 3.075      | 6.8         | 20.3        | 27.1            | 46.0               | -18.9       |
| 4.161      | 6.7         | 20.4        | 27.1            | 46.0               | -18.9       |

## CONCLUSION

Pass



Tested By

# AC POWERLINE CONDUCTED EMISSIONS

|                   |                                  |                    |            |
|-------------------|----------------------------------|--------------------|------------|
| EUT:              | ConnectCore i.MX6 WiFi/Bluetooth | Work Order:        | ETHE0018   |
| Serial Number:    | 00409D 7C03CD                    | Date:              | 01/26/2015 |
| Customer:         | Etherios Design Solutions        | Temperature:       | 18.1°C     |
| Attendees:        | None                             | Relative Humidity: | 48.5%      |
| Customer Project: | None                             | Bar. Pressure:     | 1007.4 mb  |
| Tested By:        | Brandon Hobbs                    | Job Site:          | MN03       |
| Power:            | 5VDC                             | Configuration:     | ETHE0018-5 |

## TEST SPECIFICATIONS

|                 |                  |
|-----------------|------------------|
| Specification:  | Method:          |
| FCC 15.207:2015 | ANSI C63.10:2009 |

## TEST PARAMETERS

|        |   |       |               |                        |    |
|--------|---|-------|---------------|------------------------|----|
| Run #: | 9 | Line: | Positive Lead | Ext. Attenuation (dB): | 20 |
|--------|---|-------|---------------|------------------------|----|

## COMMENTS

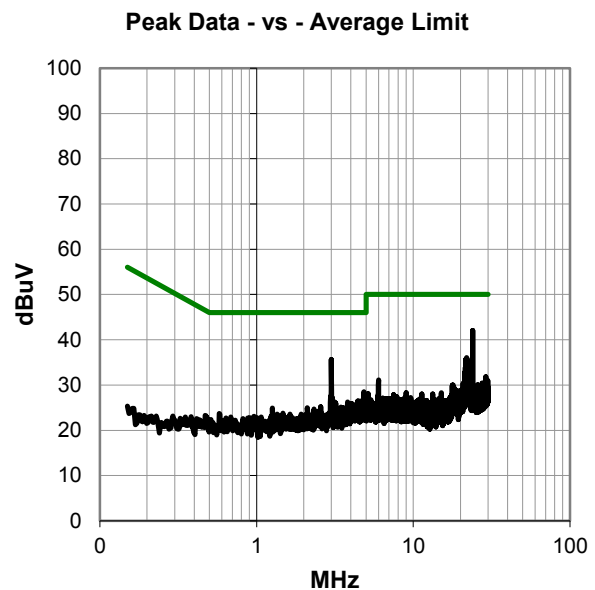
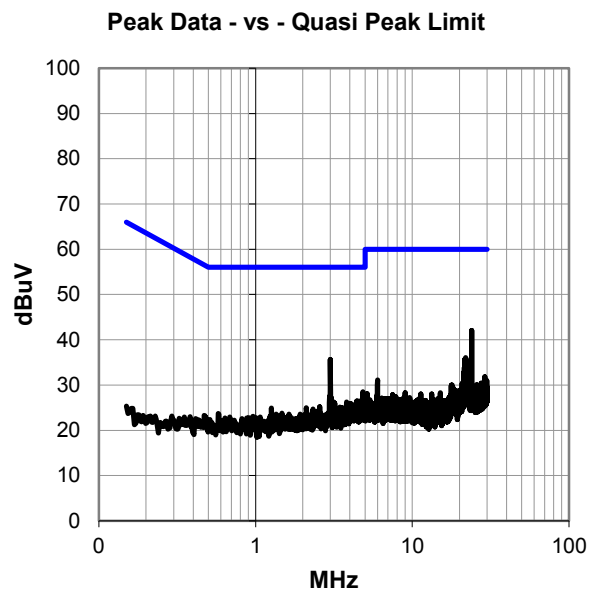
None

## EUT OPERATING MODES

Transmitting EDR DH5 High Channel 2480 MHz

## DEVIATIONS FROM TEST STANDARD

None



# AC POWERLINE CONDUCTED EMISSIONS

## RESULTS - Run #9

Peak Data - vs - Quasi Peak Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 20.2        | 21.8        | 42.0            | 60.0               | -18.0       |
| 3.000      | 15.3        | 20.3        | 35.6            | 56.0               | -20.4       |
| 21.971     | 14.4        | 21.7        | 36.1            | 60.0               | -23.9       |
| 21.606     | 14.0        | 21.6        | 35.6            | 60.0               | -24.4       |
| 22.016     | 13.9        | 21.7        | 35.6            | 60.0               | -24.4       |
| 21.863     | 13.9        | 21.6        | 35.5            | 60.0               | -24.5       |
| 21.733     | 13.9        | 21.6        | 35.5            | 60.0               | -24.5       |
| 21.692     | 13.8        | 21.6        | 35.4            | 60.0               | -24.6       |
| 22.053     | 13.4        | 21.7        | 35.1            | 60.0               | -24.9       |
| 22.098     | 12.9        | 21.7        | 34.6            | 60.0               | -25.4       |
| 21.766     | 12.8        | 21.6        | 34.4            | 60.0               | -25.6       |
| 21.945     | 12.4        | 21.7        | 34.1            | 60.0               | -26.0       |
| 21.486     | 12.3        | 21.6        | 33.9            | 60.0               | -26.1       |
| 22.195     | 12.1        | 21.7        | 33.8            | 60.0               | -26.2       |
| 21.624     | 11.9        | 21.6        | 33.5            | 60.0               | -26.5       |
| 22.311     | 11.8        | 21.7        | 33.5            | 60.0               | -26.5       |
| 22.288     | 11.7        | 21.7        | 33.4            | 60.0               | -26.6       |
| 21.527     | 11.5        | 21.6        | 33.1            | 60.0               | -26.9       |
| 21.438     | 11.2        | 21.6        | 32.8            | 60.0               | -27.2       |
| 4.836      | 8.1         | 20.4        | 28.5            | 56.0               | -27.5       |
| 22.374     | 10.6        | 21.7        | 32.3            | 60.0               | -27.7       |
| 21.415     | 10.3        | 21.6        | 31.9            | 60.0               | -28.1       |
| 29.090     | 9.4         | 22.4        | 31.8            | 60.0               | -28.2       |
| 2.967      | 7.2         | 20.3        | 27.5            | 56.0               | -28.5       |
| 21.386     | 9.8         | 21.6        | 31.4            | 60.0               | -28.6       |
| 22.255     | 9.7         | 21.7        | 31.4            | 60.0               | -28.6       |

Peak Data - vs - Average Limit

| Freq (MHz) | Amp. (dBuV) | Factor (dB) | Adjusted (dBuV) | Spec. Limit (dBuV) | Margin (dB) |
|------------|-------------|-------------|-----------------|--------------------|-------------|
| 23.997     | 20.2        | 21.8        | 42.0            | 50.0               | -8.0        |
| 3.000      | 15.3        | 20.3        | 35.6            | 46.0               | -10.4       |
| 21.971     | 14.4        | 21.7        | 36.1            | 50.0               | -13.9       |
| 21.606     | 14.0        | 21.6        | 35.6            | 50.0               | -14.4       |
| 22.016     | 13.9        | 21.7        | 35.6            | 50.0               | -14.4       |
| 21.863     | 13.9        | 21.6        | 35.5            | 50.0               | -14.5       |
| 21.733     | 13.9        | 21.6        | 35.5            | 50.0               | -14.5       |
| 21.692     | 13.8        | 21.6        | 35.4            | 50.0               | -14.6       |
| 22.053     | 13.4        | 21.7        | 35.1            | 50.0               | -14.9       |
| 22.098     | 12.9        | 21.7        | 34.6            | 50.0               | -15.4       |
| 21.766     | 12.8        | 21.6        | 34.4            | 50.0               | -15.6       |
| 21.945     | 12.4        | 21.7        | 34.1            | 50.0               | -16.0       |
| 21.486     | 12.3        | 21.6        | 33.9            | 50.0               | -16.1       |
| 22.195     | 12.1        | 21.7        | 33.8            | 50.0               | -16.2       |
| 21.624     | 11.9        | 21.6        | 33.5            | 50.0               | -16.5       |
| 22.311     | 11.8        | 21.7        | 33.5            | 50.0               | -16.5       |
| 22.288     | 11.7        | 21.7        | 33.4            | 50.0               | -16.6       |
| 21.527     | 11.5        | 21.6        | 33.1            | 50.0               | -16.9       |
| 21.438     | 11.2        | 21.6        | 32.8            | 50.0               | -17.2       |
| 4.836      | 8.1         | 20.4        | 28.5            | 46.0               | -17.5       |
| 22.374     | 10.6        | 21.7        | 32.3            | 50.0               | -17.7       |
| 21.415     | 10.3        | 21.6        | 31.9            | 50.0               | -18.1       |
| 29.090     | 9.4         | 22.4        | 31.8            | 50.0               | -18.2       |
| 2.967      | 7.2         | 20.3        | 27.5            | 46.0               | -18.5       |
| 21.386     | 9.8         | 21.6        | 31.4            | 50.0               | -18.6       |
| 22.255     | 9.7         | 21.7        | 31.4            | 50.0               | -18.6       |

## CONCLUSION

Pass



Tested By

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data. The test data represents the configuration / operating mode/ model that produced the highest emission levels as compared to the specification limit.

## MODES OF OPERATION

Transmitting DH5, 2DH5, 3DH5. Low, Mid, High Channel @ 2402, 2440, 2480 MHz.

## POWER SETTINGS INVESTIGATED

5VDC

## CONFIGURATIONS INVESTIGATED

ETHE0018 - 2

ETHE0018 - 3

ETHE0018 - 4

## FREQUENCY RANGE INVESTIGATED

Start Frequency 30 MHz Stop Frequency 25000 MHz

## SAMPLE CALCULATIONS

Radiated Emissions: Field Strength = Measured Level + Antenna Factor + Cable Factor - Amplifier Gain + Distance Adjustment Factor + External Attenuation

## TEST EQUIPMENT

| Description                      | Manufacturer       | Model                  | ID  | Last Cal.  | Interval |
|----------------------------------|--------------------|------------------------|-----|------------|----------|
| High Pass Filter                 | Micro-Tronics      | HPM50111               | HHX | 8/18/2014  | 12 mo    |
| Low Pass Filter                  | Micro-Tronics      | LPM50004               | HHV | 8/18/2014  | 12 mo    |
| Pre-Amplifier                    | Miteq              | AMF-6F-08001200-30-10P | PAK | 10/27/2014 | 12 mo    |
| Pre-Amplifier                    | Miteq              | AMF-6F-12001800-30-10P | PAL | 10/27/2015 | 12 mo    |
| TX02 Cable                       | NWEMC              | 8-18GHz                | TXD | 10/27/2016 | 12mo     |
| Pre-Amplifier                    | Miteq              | JSDQK42-18004000-60-5P | PAM | 11/21/2014 | 12 mo    |
| Cable                            | NWEMC              | 18-40GHz               | TXE | 11/21/2014 | 12 mo    |
| Antenna, Double Ridge Guide Horn | A.H. Systems, Inc. | SAS-574                | AXW | 4/23/2014  | 36 mo    |
| Antenna, Horn                    | ETS Lindgren       | 3160-08                | AJG | NCR        | 0 mo     |
| Antenna, Horn                    | ETS Lindgren       | 3160-07                | AJF | NCR        | 0 mo     |
| Pre-Amplifier                    | Miteq              | AMF-3D-00100800-32-13P | PAJ | 9/22/2014  | 12 mo    |
| TX02 Cable                       | NWEMC              | 1-8.2 GHz              | TXC | 9/22/2014  | 12 mo    |
| Antenna, Horn                    | ETS Lindgren       | 3115                   | AJL | 9/15/2014  | 24 mo    |
| Pre-Amplifier                    | Miteq              | AM-1551                | PAH | 9/13/2014  | 12 mo    |
| TX02 Cable                       | N/A                | RE 9kHz - 1GHz         | TXB | 9/22/2014  | 12 mo    |
| Attenuator                       | Fairview Microwave | SA18H-20               | TKQ | 12/8/2014  | 0 mo     |
| Antenna, Biconilog               | ETS Lindgren       | 3143B                  | AYF | 4/7/2014   | 36 mo    |
| Spectrum Analyzer                | Agilent            | N9010A                 | AFL | 6/20/2014  | 12 mo    |

## MEASUREMENT BANDWIDTHS

| Frequency Range (MHz) | Peak Data (kHz) | Quasi-Peak Data (kHz) | Average Data (kHz) |
|-----------------------|-----------------|-----------------------|--------------------|
| 0.01 - 0.15           | 1.0             | 0.2                   | 0.2                |
| 0.15 - 30.0           | 10.0            | 9.0                   | 9.0                |
| 30.0 - 1000           | 100.0           | 120.0                 | 120.0              |
| Above 1000            | 1000.0          | N/A                   | 1000.0             |

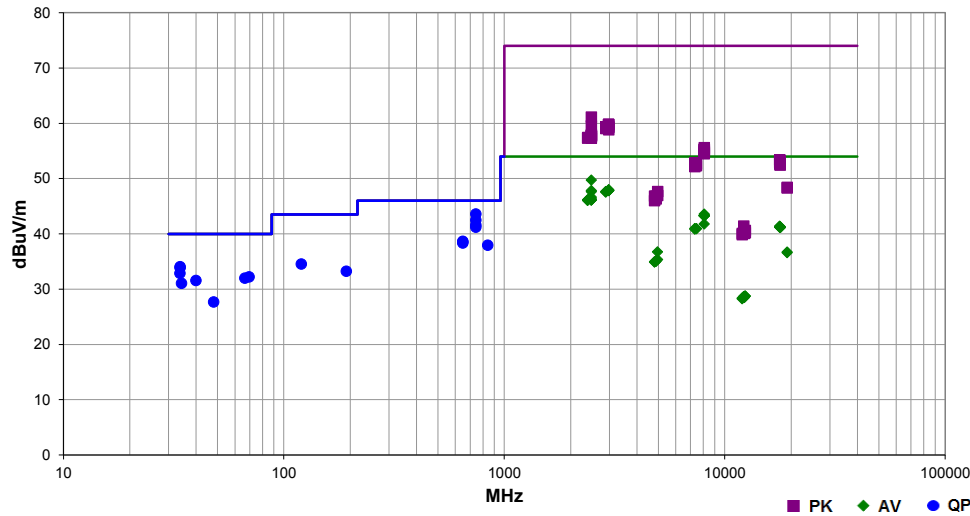
## TEST DESCRIPTION

The highest gain of each type of antenna to be used with the EUT was tested. The EUT was configured for low, mid, and high band transmit frequencies. For each configuration, the spectrum was scanned throughout the specified range. In addition, measurements were made in the restricted bands to verify compliance. While scanning, emissions from the EUT were maximized by rotating the EUT on a turntable, adjusting the position of the EUT and the EUT antenna in three orthogonal axis, and adjusting measurement antenna height and polarization. A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.

|                 |                                                                              |                   |           |                                                                                    |
|-----------------|------------------------------------------------------------------------------|-------------------|-----------|------------------------------------------------------------------------------------|
| Work Order:     | ETHE0018                                                                     | Date:             | 01/09/15  |  |
| Project:        | None                                                                         | Temperature:      | 22.1 °C   |                                                                                    |
| Job Site:       | TX02                                                                         | Humidity:         | 15.4% RH  |                                                                                    |
| Serial Number:  | 00409D 7C03D2                                                                | Barometric Pres.: | 1035 mbar |                                                                                    |
| EUT:            | ConnectCore i.MX6 WiFi/Bluetooth                                             |                   |           | Tested by: Jonathan Kiefer                                                         |
| Configuration:  | 3                                                                            |                   |           |                                                                                    |
| Customer:       | Etherios Design Solutions                                                    |                   |           |                                                                                    |
| Attendees:      | None                                                                         |                   |           |                                                                                    |
| EUT Power:      | 5VDC                                                                         |                   |           |                                                                                    |
| Operating Mode: | Transmitting DH5, 2DH5, 3DH5. Low, Mid, High Channel @ 2402, 2440, 2480 MHz. |                   |           |                                                                                    |
| Deviations:     | None                                                                         |                   |           |                                                                                    |
| Comments:       | None                                                                         |                   |           |                                                                                    |

|                     |                 |             |                  |
|---------------------|-----------------|-------------|------------------|
| Test Specifications | FCC 15.247:2015 | Test Method | ANSI C63.10:2009 |
|---------------------|-----------------|-------------|------------------|

|       |    |                   |   |                   |           |         |      |
|-------|----|-------------------|---|-------------------|-----------|---------|------|
| Run # | 61 | Test Distance (m) | 3 | Antenna Height(s) | 1 to 4(m) | Results | Pass |
|-------|----|-------------------|---|-------------------|-----------|---------|------|



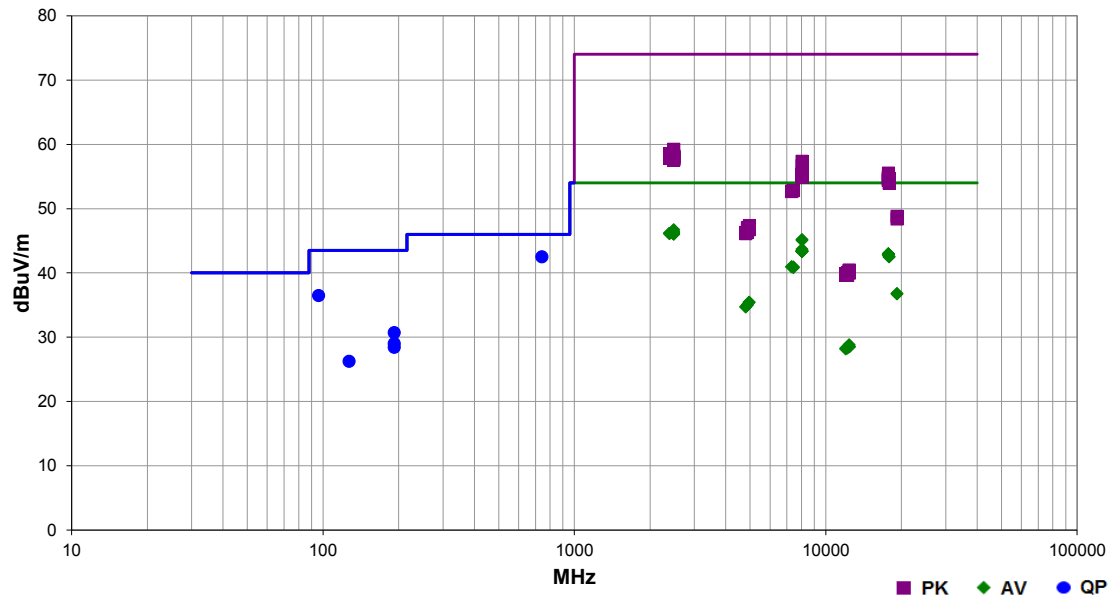
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Antenna Height (meters) | Azimuth (degrees) | Test Distance (meters) | External Attenuation (dB) | Polarity/ Transducer Type | Detector | Distance Adjustment (dB) | Adjusted (dBuV/m) | Spec. Limit (dBuV/m) | Compared to Spec. (dB) | Comments                                   |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|---------------------------|----------|--------------------------|-------------------|----------------------|------------------------|--------------------------------------------|
| 742.484    | 57.0             | -13.4       | 1.1                     | 237.9             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 43.6              | 46.0                 | -2.4                   | DH5, Mid Ch, EUT Horizontal                |
| 742.486    | 55.9             | -13.4       | 1.1                     | 241.0             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 42.5              | 46.0                 | -3.5                   | DH5, Low Ch, EUT Horizontal                |
| 2483.035   | 34.4             | -4.7        | 1.2                     | 351.9             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 49.7              | 54.0                 | -4.3                   | DH5, High Channel 2480 MHz, EUT On Side    |
| 742.484    | 55.0             | -13.4       | 1.2                     | 52.9              | 3.0                    | 0.0                       | Horz                      | QP       | 0.0                      | 41.6              | 46.0                 | -4.4                   | DH5, Mid Ch, EUT Horizontal                |
| 742.484    | 54.6             | -13.4       | 1.0                     | 49.0              | 3.0                    | 0.0                       | Horz                      | QP       | 0.0                      | 41.2              | 46.0                 | -4.8                   | DH5, Low Ch, EUT Horizontal                |
| 33.802     | 59.6             | -25.5       | 1.0                     | 355.0             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 34.1              | 40.0                 | -5.9                   | DH5, Mid Ch, EUT Horizontal                |
| 2979.303   | 29.9             | -2.0        | 3.3                     | 356.0             | 3.0                    | 20.0                      | Vert                      | AV       | 0.0                      | 47.9              | 54.0                 | -6.1                   | 2DH5, Mid Channel 2440 MHz, EUT Vertical   |
| 2977.423   | 29.9             | -2.0        | 1.2                     | 234.0             | 3.0                    | 20.0                      | Vert                      | AV       | 0.0                      | 47.9              | 54.0                 | -6.1                   | DH5, Low Channel 2402 MHz, EUT Vertical    |
| 2975.473   | 29.9             | -2.0        | 1.2                     | 296.0             | 3.0                    | 20.0                      | Vert                      | AV       | 0.0                      | 47.9              | 54.0                 | -6.1                   | DH5, Low Channel 2402 MHz, EUT Horizontal  |
| 2974.715   | 29.9             | -2.0        | 2.8                     | 193.0             | 3.0                    | 20.0                      | Vert                      | AV       | 0.0                      | 47.9              | 54.0                 | -6.1                   | DH5, Low Channel 2402 MHz, EUT On Side     |
| 2972.840   | 29.9             | -2.0        | 1.2                     | 328.9             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 47.9              | 54.0                 | -6.1                   | DH5, Low Channel 2402 MHz, EUT Vertical    |
| 33.802     | 59.4             | -25.5       | 1.0                     | 129.0             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 33.9              | 40.0                 | -6.1                   | DH5, Low Ch, EUT Horizontal                |
| 2483.022   | 32.5             | -4.7        | 1.2                     | 214.9             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 47.8              | 54.0                 | -6.2                   | 3DH5, High Channel 2480 MHz, EUT On Side   |
| 2977.023   | 29.8             | -2.0        | 1.2                     | 261.0             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 47.8              | 54.0                 | -6.2                   | DH5, Low Channel 2402 MHz, EUT Horizontal  |
| 2976.987   | 29.8             | -2.0        | 1.2                     | 321.0             | 3.0                    | 20.0                      | Vert                      | AV       | 0.0                      | 47.8              | 54.0                 | -6.2                   | 3DH5, Mid Channel 2440 MHz, EUT Vertical   |
| 2975.873   | 29.8             | -2.0        | 1.2                     | 68.0              | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 47.8              | 54.0                 | -6.2                   | DH5, Low Channel 2402 MHz, EUT On Side     |
| 2887.518   | 30.2             | -2.6        | 1.2                     | 357.0             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 47.6              | 54.0                 | -6.4                   | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 2483.008   | 32.3             | -4.7        | 2.6                     | 270.0             | 3.0                    | 20.0                      | Vert                      | AV       | 0.0                      | 47.6              | 54.0                 | -6.4                   | DH5, High Channel 2480 MHz, EUT Horizontal |
| 2885.558   | 30.1             | -2.6        | 1.2                     | 1.0               | 3.0                    | 20.0                      | Vert                      | AV       | 0.0                      | 47.5              | 54.0                 | -6.5                   | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 33.800     | 58.4             | -25.5       | 1.0                     | 21.0              | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 32.9              | 40.0                 | -7.1                   | DH5, High Ch, EUT Horizontal               |
| 647.987    | 53.4             | -14.7       | 1.0                     | 164.0             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 38.7              | 46.0                 | -7.3                   | DH5, Low Ch, EUT Horizontal                |
| 2483.090   | 31.3             | -4.7        | 2.7                     | 158.0             | 3.0                    | 20.0                      | Vert                      | AV       | 0.0                      | 46.6              | 54.0                 | -7.4                   | DH5, High Channel 2480 MHz, EUT On Side    |
| 647.989    | 53.3             | -14.7       | 1.0                     | 153.9             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 38.6              | 46.0                 | -7.4                   | DH5, High Ch, EUT Horizontal               |
| 647.987    | 53.1             | -14.7       | 1.0                     | 243.0             | 3.0                    | 0.0                       | Horz                      | QP       | 0.0                      | 38.4              | 46.0                 | -7.6                   | DH5, Mid Ch, EUT Horizontal                |
| 2483.225   | 31.0             | -4.7        | 1.2                     | 321.0             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 46.3              | 54.0                 | -7.7                   | DH5, High Channel 2480 MHz, EUT Horizontal |
| 69.568     | 64.4             | -32.2       | 2.5                     | 138.0             | 3.0                    | 0.0                       | Horz                      | QP       | 0.0                      | 32.2              | 40.0                 | -7.8                   | DH5, High Ch, EUT Horizontal               |
| 2391.150   | 30.9             | -4.8        | 1.2                     | 111.0             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | DH5, Low Channel 2402 MHz, EUT On Side     |
| 2389.667   | 30.9             | -4.8        | 2.9                     | 58.9              | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | 3DH5, Low Channel 2402 MHz, EUT On Side    |
| 2483.937   | 30.8             | -4.7        | 1.2                     | 346.9             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | DH5, High Channel 2480 MHz, EUT Vertical   |
| 2483.285   | 30.8             | -4.7        | 1.5                     | 307.0             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | 2DH5, High Channel 2480 MHz, EUT On Side   |
| 2483.192   | 30.8             | -4.7        | 1.2                     | 87.0              | 3.0                    | 20.0                      | Vert                      | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | DH5, High Channel 2480 MHz, EUT Vertical   |
| 2388.117   | 30.8             | -4.8        | 1.2                     | 289.0             | 3.0                    | 20.0                      | Horz                      | AV       | 0.0                      | 46.0              | 54.0                 | -8.0                   | 2DH5, Low Channel 2402 MHz, EUT On Side    |
| 66.568     | 64.4             | -32.4       | 1.4                     | 183.0             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 32.0              | 40.0                 | -8.0                   | DH5, Low Ch, EUT Horizontal                |
| 841.481    | 50.0             | -12.1       | 1.0                     | 114.0             | 3.0                    | 0.0                       | Horz                      | QP       | 0.0                      | 37.9              | 46.0                 | -8.1                   | DH5, Low Ch, EUT Horizontal                |
| 39.938     | 60.4             | -28.8       | 1.0                     | 127.0             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 31.6              | 40.0                 | -8.4                   | DH5, High Ch, EUT Horizontal               |
| 34.310     | 56.9             | -25.8       | 1.0                     | 106.9             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 31.1              | 40.0                 | -8.9                   | DH5, Mid Ch, EUT Horizontal                |
| 120.005    | 65.6             | -31.0       | 1.0                     | 10.9              | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 34.6              | 43.5                 | -8.9                   | DH5, High Ch, EUT Horizontal               |
| 192.007    | 61.5             | -28.3       | 1.6                     | 262.9             | 3.0                    | 0.0                       | Horz                      | QP       | 0.0                      | 33.2              | 43.5                 | -10.3                  | DH5, High Ch, EUT Horizontal               |
| 8077.832   | 28.3             | 15.3        | 1.2                     | 140.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 43.6              | 54.0                 | -10.4                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 8077.265   | 28.1             | 15.3        | 1.2                     | 159.9             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 43.4              | 54.0                 | -10.6                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 8075.373   | 28.0             | 15.3        | 1.2                     | 0.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, High Channel 2480 MHz, EUT Horizontal |
| 8076.123   | 28.0             | 15.3        | 1.2                     | 225.9             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, High Channel 2480 MHz, EUT Horizontal |
| 8076.915   | 28.0             | 15.3        | 1.2                     | 360.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 8077.365   | 28.0             | 15.3        | 1.2                     | 79.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, High Channel 2480 MHz, EUT Vertical   |

| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Antenna Height (meters) | Azimuth (degrees) | Test Distance (meters) | External Attenuation (dB) | Polarity/ Transducer Type | Detector | Distance Adjustment (dB) | Adjusted (dBuV/m) | Spec. Limit (dBuV/m) | Compared to Spec. (dB) | Comments                                   |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|---------------------------|----------|--------------------------|-------------------|----------------------|------------------------|--------------------------------------------|
| 8077.965   | 28.0             | 15.3        | 1.2                     | 93.9              | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, High Channel 2480 MHz, EUT Vertical   |
| 8079.822   | 28.0             | 15.3        | 1.2                     | 8.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | 3DH5, High Channel 2480 MHz, EUT On Side   |
| 8078.422   | 26.5             | 15.3        | 1.2                     | 260.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 41.8              | 54.0                 | -12.2                  | 2DH5, High Channel 2480 MHz, EUT On Side   |
| 48.008     | 59.8             | -32.1       | 1.0                     | 188.0             | 3.0                    | 0.0                       | Vert                      | QP       | 0.0                      | 27.7              | 40.0                 | -12.3                  | DH5, Mid Ch, EUT Horizontal                |
| 17747.060  | 24.4             | 17.0        | 2.4                     | 202.9             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 41.4              | 54.0                 | -12.6                  | DH5, High Channel 2480 MHz, EUT Vertical   |
| 17771.490  | 24.4             | 16.9        | 1.2                     | 264.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 41.3              | 54.0                 | -12.7                  | DH5, Low Channel 2402 MHz, EUT Vertical    |
| 17826.710  | 24.6             | 16.7        | 1.0                     | 102.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 41.3              | 54.0                 | -12.7                  | DH5, High Channel 2480 MHz, EUT Vertical   |
| 17756.420  | 24.3             | 16.9        | 1.2                     | 73.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 41.2              | 54.0                 | -12.8                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 17825.910  | 24.5             | 16.7        | 1.2                     | 326.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 41.2              | 54.0                 | -12.8                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 17825.980  | 24.5             | 16.7        | 1.2                     | 34.9              | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 41.2              | 54.0                 | -12.8                  | DH5, Mid Channel 2440 MHz, EUT Horizontal  |
| 17827.130  | 24.5             | 16.7        | 1.2                     | 49.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 41.2              | 54.0                 | -12.8                  | DH5, Mid Channel 2440 MHz, EUT Horizontal  |
| 17828.470  | 24.5             | 16.7        | 1.2                     | 135.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 41.2              | 54.0                 | -12.8                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 17828.890  | 24.5             | 16.7        | 1.1                     | 15.0              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 41.2              | 54.0                 | -12.8                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 17829.140  | 24.5             | 16.7        | 1.2                     | 189.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 41.2              | 54.0                 | -12.8                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 17829.140  | 24.5             | 16.7        | 1.2                     | 148.9             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 41.2              | 54.0                 | -12.8                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 2483.990   | 45.8             | -4.7        | 2.7                     | 158.0             | 3.0                    | 20.0                      | Vert                      | PK       | 0.0                      | 61.1              | 74.0                 | -12.9                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 7321.225   | 27.6             | 13.4        | 1.2                     | 243.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 41.0              | 54.0                 | -13.0                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 7441.658   | 27.5             | 13.4        | 1.2                     | 88.9              | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 40.9              | 54.0                 | -13.1                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 7439.233   | 27.5             | 13.4        | 1.2                     | 116.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 40.9              | 54.0                 | -13.1                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 7321.958   | 27.5             | 13.4        | 3.5                     | 274.9             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 40.9              | 54.0                 | -13.1                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 2975.703   | 41.8             | -2.0        | 1.2                     | 321.0             | 3.0                    | 20.0                      | Vert                      | PK       | 0.0                      | 59.8              | 74.0                 | -14.2                  | 3DH5, Mid Channel 2440 MHz, EUT Vertical   |
| 2973.240   | 41.8             | -2.0        | 1.2                     | 68.0              | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 59.8              | 74.0                 | -14.2                  | DH5, Low Channel 2402 MHz, EUT On Side     |
| 2972.890   | 41.8             | -2.0        | 2.8                     | 193.0             | 3.0                    | 20.0                      | Vert                      | PK       | 0.0                      | 59.8              | 74.0                 | -14.2                  | DH5, Low Channel 2402 MHz, EUT On Side     |
| 2483.190   | 44.2             | -4.7        | 2.6                     | 270.0             | 3.0                    | 20.0                      | Vert                      | PK       | 0.0                      | 59.5              | 74.0                 | -14.5                  | DH5, High Channel 2480 MHz, EUT Horizontal |
| 2974.923   | 41.5             | -2.0        | 1.2                     | 296.0             | 3.0                    | 20.0                      | Vert                      | PK       | 0.0                      | 59.5              | 74.0                 | -14.5                  | DH5, Low Channel 2402 MHz, EUT Horizontal  |
| 2974.540   | 41.4             | -2.0        | 1.2                     | 328.9             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 59.4              | 74.0                 | -14.6                  | DH5, Low Channel 2402 MHz, EUT Vertical    |
| 2887.302   | 41.9             | -2.6        | 1.2                     | 357.0             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 59.3              | 74.0                 | -14.7                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 2975.523   | 41.2             | -2.0        | 1.2                     | 261.0             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 59.2              | 74.0                 | -14.8                  | DH5, Low Channel 2402 MHz, EUT Horizontal  |
| 2974.115   | 41.2             | -2.0        | 1.2                     | 234.0             | 3.0                    | 20.0                      | Vert                      | PK       | 0.0                      | 59.2              | 74.0                 | -14.8                  | DH5, Low Channel 2402 MHz, EUT Vertical    |
| 2886.350   | 41.6             | -2.6        | 1.2                     | 1.0               | 3.0                    | 20.0                      | Vert                      | PK       | 0.0                      | 59.0              | 74.0                 | -15.0                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 2978.762   | 40.8             | -2.0        | 3.3                     | 356.0             | 3.0                    | 20.0                      | Vert                      | PK       | 0.0                      | 58.8              | 74.0                 | -15.2                  | 2DH5, Mid Channel 2440 MHz, EUT Vertical   |
| 2483.968   | 42.6             | -4.7        | 1.2                     | 351.9             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 57.9              | 74.0                 | -16.1                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 2483.702   | 42.4             | -4.7        | 1.2                     | 346.9             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 57.7              | 74.0                 | -16.3                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 2483.433   | 42.4             | -4.7        | 1.2                     | 87.0              | 3.0                    | 20.0                      | Vert                      | PK       | 0.0                      | 57.7              | 74.0                 | -16.3                  | DH5, High Channel 2480 MHz, EUT Vertical   |
| 2483.308   | 42.4             | -4.7        | 1.2                     | 214.9             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 57.7              | 74.0                 | -16.3                  | 3DH5, High Channel 2480 MHz, EUT On Side   |
| 2483.998   | 42.3             | -4.7        | 1.5                     | 307.0             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 57.6              | 74.0                 | -16.4                  | 2DH5, High Channel 2480 MHz, EUT On Side   |
| 2392.333   | 42.2             | -4.8        | 2.9                     | 58.9              | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 57.4              | 74.0                 | -16.6                  | 3DH5, Low Channel 2402 MHz, EUT On Side    |
| 2391.633   | 42.1             | -4.8        | 1.2                     | 111.0             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 57.3              | 74.0                 | -16.7                  | DH5, Low Channel 2402 MHz, EUT On Side     |
| 2388.217   | 42.1             | -4.8        | 1.2                     | 289.0             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 57.3              | 74.0                 | -16.7                  | 2DH5, Low Channel 2402 MHz, EUT On Side    |
| 2483.412   | 42.0             | -4.7        | 1.2                     | 321.0             | 3.0                    | 20.0                      | Horz                      | PK       | 0.0                      | 57.3              | 74.0                 | -16.7                  | DH5, High Channel 2480 MHz, EUT Horizontal |
| 4960.317   | 28.5             | 8.2         | 1.2                     | 45.9              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 36.7              | 54.0                 | -17.3                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 19215.670  | 49.0             | -12.3       | 1.3                     | 195.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 36.7              | 54.0                 | -17.3                  | DH5, Low Ch, EUT Horizontal                |
| 19217.180  | 48.9             | -12.3       | 1.3                     | 219.9             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 36.6              | 54.0                 | -17.4                  | DH5, Low Ch, EUT Horizontal                |
| 8073.482   | 40.3             | 15.3        | 1.2                     | 159.9             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 55.6              | 74.0                 | -18.4                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 4962.425   | 27.1             | 8.2         | 1.9                     | 322.9             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 35.3              | 54.0                 | -18.7                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 8074.273   | 40.0             | 15.3        | 1.2                     | 140.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 55.3              | 74.0                 | -18.7                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 8076.190   | 40.0             | 15.3        | 1.2                     | 93.9              | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 55.3              | 74.0                 | -18.7                  | DH5, High Channel 2480 MHz, EUT Vertical   |
| 8075.990   | 39.9             | 15.3        | 1.2                     | 360.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 55.2              | 74.0                 | -18.8                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 4879.267   | 27.1             | 8.0         | 1.2                     | 327.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 35.1              | 54.0                 | -18.9                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 4877.658   | 27.0             | 8.0         | 1.2                     | 272.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 35.0              | 54.0                 | -19.0                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 8073.248   | 39.7             | 15.3        | 1.2                     | 225.9             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 55.0              | 74.0                 | -19.0                  | DH5, High Channel 2480 MHz, EUT Horizontal |
| 4801.575   | 27.1             | 7.8         | 3.1                     | 205.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 34.9              | 54.0                 | -19.1                  | DH5, Low Channel 2402 MHz, EUT On Side     |
| 4801.508   | 27.1             | 7.8         | 1.2                     | 123.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 34.9              | 54.0                 | -19.1                  | DH5, Low Channel 2402 MHz, EUT On Side     |
| 8076.738   | 39.6             | 15.3        | 1.2                     | 8.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 54.9              | 74.0                 | -19.1                  | 3DH5, High Channel 2480 MHz, EUT On Side   |
| 8077.707   | 39.5             | 15.3        | 1.2                     | 79.0              | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 54.8              | 74.0                 | -19.2                  | DH5, High Channel 2480 MHz, EUT Vertical   |
| 8079.555   | 39.4             | 15.3        | 1.2                     | 260.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 54.7              | 74.0                 | -19.3                  | 2DH5, High Channel 2480 MHz, EUT On Side   |
| 8076.957   | 39.2             | 15.3        | 1.2                     | 0.0               | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 54.5              | 74.0                 | -19.5                  | DH5, High Channel 2480 MHz, EUT Horizontal |
| 17745.360  | 36.4             | 17.0        | 2.4                     | 202.9             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 53.4              | 74.0                 | -20.6                  | DH5, High Channel 2480 MHz, EUT Vertical   |
| 17826.330  | 36.6             | 16.7        | 1.1                     | 15.0              | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 53.3              | 74.0                 | -20.7                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 17826.610  | 36.6             | 16.7        | 1.2                     | 135.0             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 53.3              | 74.0                 | -20.7                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 17828.750  | 36.3             | 16.7        | 1.2                     | 148.9             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 53.0              | 74.0                 | -21.0                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 17758.740  | 36.0             | 16.9        | 1.2                     | 73.0              | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 52.9              | 74.0                 | -21.1                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 17825.890  | 36.2             | 16.7        | 1.2                     | 326.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 52.9              | 74.0                 | -21.1                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 17829.160  | 36.2             | 16.7        | 1.2                     | 34.9              | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 52.9              | 74.0                 | -21.1                  | DH5, Mid Channel 2440 MHz, EUT Horizontal  |
| 7322.017   | 39.5             | 13.4        | 3.5                     | 274.9             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 52.9              | 74.0                 | -21.1                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 17770.580  | 35.8             | 16.9        | 1.2                     | 264.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 52.7              | 74.0                 | -21.3                  | DH5, Low Channel 2402 MHz, EUT Vertical    |
| 7442.183   | 39.2             | 13.4        | 1.2                     | 88.9              | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 52.6              | 74.0                 | -21.4                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 17826.620  | 35.9             | 16.7        | 1.2                     | 49.0              | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 52.6              | 74.0                 | -21.4                  | DH5, Mid Channel 2440 MHz, EUT Horizontal  |
| 17827.090  | 35.8             | 16.7        | 1.2                     | 189.0             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 52.5              | 74.0                 | -21.5                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 17830.410  | 35.8             | 16.7        | 1.0                     | 102.0             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 52.5              | 74.0                 | -21.5                  | DH5, High Channel 2480 MHz, EUT Vertical   |
| 7439.242   | 38.9             | 13.4        | 1.2                     | 116.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 52.3              | 74.0                 | -21.7                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 7320.183   | 38.8             | 13.4        | 1.2                     | 243.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 52.2              | 74.0                 | -21.8                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 12399.470  | 29.1             | -0.4        | 3.6                     | 255.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 28.7              | 54.0                 | -25.3                  | DH5, High Channel, 2480 MHz, EUT Vertical  |
| 12399.510  | 29.1             | -0.4        | 1.2                     | 208.9             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 28.7              | 54.0                 | -25.3                  | DH5, High Channel, 2480 MHz, EUT Vertical  |
| 12275.130  | 29.4             | -0.7        | 1.2                     | 147.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 28.7              | 54.0                 | -25.3                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 12274.090  | 29.4             | -0.7        | 1.2                     | 330.0             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 28.7              | 54.0                 | -25.3                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 12273.880  | 29.4             | -0.7        | 1.2                     | 87.0              | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 28.7              | 54.0                 | -25.3                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 12202.010  | 29.4             | -0.8        | 1.2                     | 306.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 28.6              | 54.0                 | -25.4                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 12201.830  | 29.4             | -0.8        | 1.2                     | 3.0               | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 28.6              | 54.0                 | -25.4                  | DH5, Mid Channel 2440 MHz, EUT Vertical    |
| 12274.490  | 29.3             | -0.7        | 1.2                     | 46.9              | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 28.6              | 54.0                 | -25.4                  | DH5, Mid Channel 2440 MHz, EUT Horizontal  |
| 12272.920  | 29.3             | -0.7        | 1.2                     | 285.0             | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 28.6              | 54.0                 | -25.4                  | DH5, Mid Channel 2440 MHz, EUT Horizontal  |
| 12275.570  | 29.2             | -0.7        | 1.2                     | 112.9             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 28.5              | 54.0                 | -25.5                  | DH5, Mid Channel 2440 MHz, EUT On Side     |
| 19217.040  | 60.7             | -12.3       | 1.3                     | 195.0             | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 48.4              | 74.0                 | -25.6                  | DH5, Low Ch, EUT Horizontal                |
| 12009.150  | 29.7             | -1.3        | 1.2                     | 285.9             | 3.0                    | 0.0                       | Horz                      | AV       | 0.0                      | 28.4              | 54.0                 | -25.6                  | DH5, Low Channel 2402 MHz, EUT Vertical    |
| 19217.130  | 60.6             | -12.3       | 1.3                     | 219.9             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 48.3              | 74.0                 | -25.7                  | DH5, Low Ch, EUT Horizontal                |
| 12009.070  | 29.6             | -1.3        | 1.2                     | 81.9              | 3.0                    | 0.0                       | Vert                      | AV       | 0.0                      | 28.3              | 54.0                 | -25.7                  | DH5, Low Channel 2402 MHz, EUT Vertical    |
| 4961.542   | 39.4             | 8.2         | 1.2                     | 45.9              | 3.0                    | 0.0                       | Horz                      | PK       | 0.0                      | 47.6              | 74.0                 | -26.4                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 4960.992   | 38.7             | 8.2         | 1.9                     | 322.9             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 46.9              | 74.0                 | -27.1                  | DH5, High Channel 2480 MHz, EUT On Side    |
| 4878.617   | 38.8             | 8.0         | 1.2                     | 327.0             | 3.0                    | 0.0                       | Vert                      | PK       | 0.0                      | 46.8              | 74.0                 |                        |                                            |

|                 |                                                                              |                   |           |                                                                                    |
|-----------------|------------------------------------------------------------------------------|-------------------|-----------|------------------------------------------------------------------------------------|
| Work Order:     | ETHE0018                                                                     | Date:             | 01/09/15  |  |
| Project:        | None                                                                         | Temperature:      | 22.1 °C   |                                                                                    |
| Job Site:       | TX02                                                                         | Humidity:         | 15.4% RH  |                                                                                    |
| Serial Number:  | 00409D 7C03D2                                                                | Barometric Pres.: | 1035 mbar |                                                                                    |
| EUT:            | ConnectCore i.MX6 WiFi/Bluetooth                                             |                   |           | Tested by: Jonathan Kiefer                                                         |
| Configuration:  | 2                                                                            |                   |           |                                                                                    |
| Customer:       | Etherios Design Solutions                                                    |                   |           |                                                                                    |
| Attendees:      | None                                                                         |                   |           |                                                                                    |
| EUT Power:      | 5VDC                                                                         |                   |           |                                                                                    |
| Operating Mode: | Transmitting DH5, 2DH5, 3DH5. Low, Mid, High Channel @ 2402, 2440, 2480 MHz. |                   |           |                                                                                    |
| Deviations:     | None                                                                         |                   |           |                                                                                    |
| Comments:       | None                                                                         |                   |           |                                                                                    |

|                     |                  |
|---------------------|------------------|
| Test Specifications | Test Method      |
| FCC 15.247:2015     | ANSI C63.10:2009 |

|       |    |                   |   |                   |           |         |      |
|-------|----|-------------------|---|-------------------|-----------|---------|------|
| Run # | 61 | Test Distance (m) | 3 | Antenna Height(s) | 1 to 4(m) | Results | Pass |
|-------|----|-------------------|---|-------------------|-----------|---------|------|



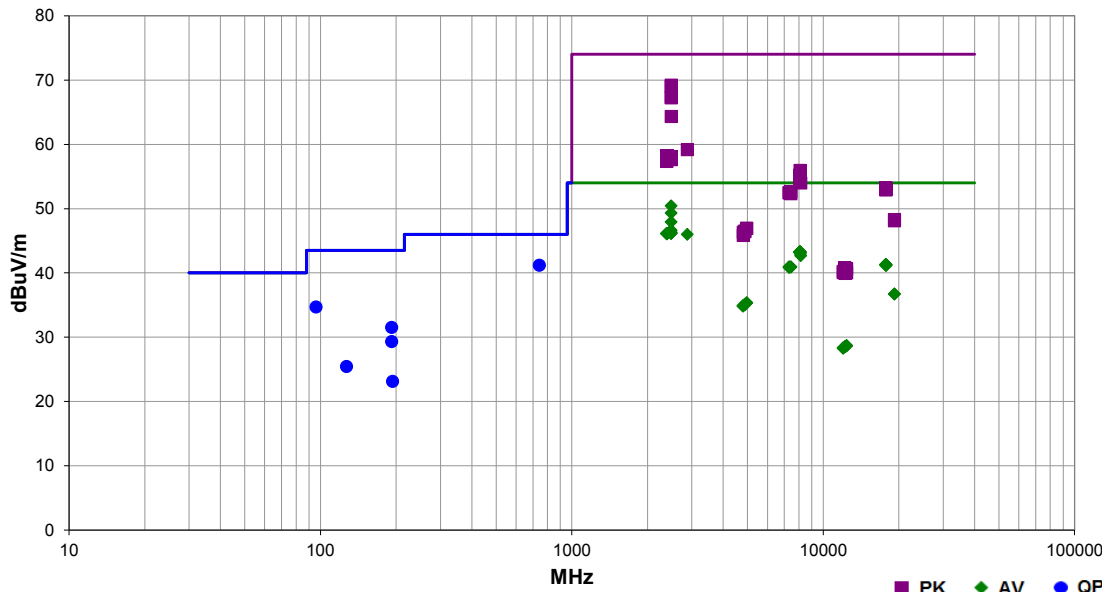
| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Antenna Height (meters) | Azimuth (degrees) | Test Distance (meters) | External Attenuation (dB) | Polarity/Transducer Type | Detector | Distance Adjustment (dB) | Adjusted (dBuV/m) | Spec. Limit (dBuV/m) | Compared to Spec. (dB) | Comments                     |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|--------------------------|----------|--------------------------|-------------------|----------------------|------------------------|------------------------------|
| 742.486    | 55.9             | -13.4       | 1.2                     | 241.0             | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 42.5              | 46.0                 | -3.5                   | DH5, Mid Ch, EUT Horizontal  |
| 96.008     | 67.7             | -31.2       | 1.3                     | 55.0              | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 36.5              | 43.5                 | -7.0                   | DH5, High Ch, EUT Horizontal |
| 2483.850   | 31.4             | -4.7        | 1.2                     | 232.9             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.7              | 54.0                 | -7.3                   | DH5, High Ch, EUT Vertical   |
| 2485.558   | 31.1             | -4.7        | 1.2                     | 320.0             | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 46.4              | 54.0                 | -7.6                   | DH5, High Ch, EUT Vertical   |
| 2483.817   | 31.0             | -4.7        | 1.2                     | 255.9             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.3              | 54.0                 | -7.7                   | 3DH5, High Ch, EUT Vertical  |
| 2483.575   | 30.9             | -4.7        | 1.2                     | 60.0              | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.2              | 54.0                 | -7.8                   | 2DH5, High Ch, EUT Vertical  |
| 2390.742   | 30.9             | -4.8        | 1.2                     | 97.0              | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | DH5, Low Ch, EUT Vertical    |
| 2388.792   | 30.9             | -4.8        | 1.2                     | 294.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | 2DH5, Low Ch, EUT Vertical   |
| 2388.675   | 30.9             | -4.8        | 1.2                     | 163.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | 3DH5, Low Ch, EUT Vertical   |
| 2485.258   | 30.8             | -4.7        | 1.2                     | 75.9              | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | DH5, High Ch, EUT On Side    |
| 2485.217   | 30.8             | -4.7        | 1.2                     | 219.9             | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | DH5, High Ch, EUT On Side    |
| 2485.267   | 30.7             | -4.7        | 1.2                     | 51.9              | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 46.0              | 54.0                 | -8.0                   | DH5, High Ch, EUT Horizontal |
| 2484.308   | 30.7             | -4.7        | 1.2                     | 48.0              | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.0              | 54.0                 | -8.0                   | DH5, High Ch, EUT Horizontal |
| 8043.818   | 29.7             | 15.5        | 1.2                     | 349.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 45.2              | 54.0                 | -8.8                   | 2DH5, Low Ch, EUT Horizontal |
| 8045.018   | 29.6             | 15.5        | 1.2                     | 36.0              | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 45.1              | 54.0                 | -8.9                   | 3DH5, Low Ch, EUT Horizontal |
| 8045.005   | 28.2             | 15.5        | 1.2                     | 241.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 43.7              | 54.0                 | -10.3                  | DH5, Low Ch, EUT Horizontal  |
| 8041.430   | 27.9             | 15.5        | 1.2                     | 247.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 43.4              | 54.0                 | -10.6                  | DH5, Low Ch, EUT Vertical    |
| 8042.630   | 27.9             | 15.5        | 1.2                     | 267.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 43.4              | 54.0                 | -10.6                  | DH5, Low Ch, EUT Vertical    |
| 8042.722   | 27.9             | 15.5        | 1.2                     | 355.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 43.4              | 54.0                 | -10.6                  | DH5, Low Ch, EUT Horizontal  |
| 8043.105   | 27.9             | 15.5        | 1.2                     | 93.0              | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 43.4              | 54.0                 | -10.6                  | DH5, Low Ch, EUT On Side     |
| 8028.468   | 27.8             | 15.6        | 3.8                     | 144.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 43.4              | 54.0                 | -10.6                  | DH5, High Ch, EUT Horizontal |
| 8031.703   | 27.8             | 15.6        | 1.2                     | 39.0              | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 43.4              | 54.0                 | -10.6                  | DH5, High Ch, EUT Vertical   |
| 8042.988   | 27.8             | 15.5        | 1.2                     | 136.9             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, Low Ch, EUT On Side     |
| 17753.860  | 26.0             | 16.9        | 1.2                     | 247.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 42.9              | 54.0                 | -11.1                  | DH5, Mid Ch, EUT Horizontal  |
| 17756.030  | 26.0             | 16.9        | 1.2                     | 267.9             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 42.9              | 54.0                 | -11.1                  | DH5, Mid Ch, EUT Horizontal  |
| 17756.340  | 26.0             | 16.9        | 1.2                     | 121.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 42.9              | 54.0                 | -11.1                  | DH5, Mid Ch, EUT Vertical    |
| 17757.200  | 26.0             | 16.9        | 2.8                     | 283.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 42.9              | 54.0                 | -11.1                  | DH5, Mid Ch, EUT On Side     |
| 17758.800  | 26.0             | 16.9        | 1.2                     | 279.9             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 42.9              | 54.0                 | -11.1                  | DH5, Mid Ch, EUT Horizontal  |

| Freq<br>(MHz) | Amplitude<br>(dBuV) | Factor<br>(dB) | Antenna<br>Height<br>(meters) | Azimuth<br>(degrees) | Test Distance<br>(meters) | External<br>Attenuation<br>(dB) | Polarity/<br>Transducer<br>Type | Detector | Distance<br>Adjustment<br>(dB) | Adjusted<br>(dBuV/m) | Spec. Limit<br>(dBuV/m) | Compared to<br>Spec.<br>(dB) | Comments                     |
|---------------|---------------------|----------------|-------------------------------|----------------------|---------------------------|---------------------------------|---------------------------------|----------|--------------------------------|----------------------|-------------------------|------------------------------|------------------------------|
| 17759.490     | 26.0                | 16.9           | 1.2                           | 154.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 42.9                 | 54.0                    | -11.1                        | DH5, Mid Ch, EUT On Side     |
| 17759.660     | 26.0                | 16.9           | 1.2                           | 360.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 42.9                 | 54.0                    | -11.1                        | DH5, Mid Ch, EUT Vertical    |
| 17756.770     | 25.9                | 16.9           | 1.2                           | 57.9                 | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 42.8                 | 54.0                    | -11.2                        | DH5, Low Ch, EUT Horizontal  |
| 17718.970     | 25.9                | 16.9           | 1.2                           | 249.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 42.8                 | 54.0                    | -11.2                        | DH5, Low Ch, EUT Horizontal  |
| 17862.670     | 26.0                | 16.5           | 1.2                           | 117.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 42.5                 | 54.0                    | -11.5                        | DH5, High Ch, EUT Horizontal |
| 17876.740     | 26.0                | 16.5           | 1.2                           | 166.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 42.5                 | 54.0                    | -11.5                        | DH5, High Ch, EUT Horizontal |
| 192.005       | 59.0                | -28.3          | 1.5                           | 175.0                | 3.0                       | 0.0                             | Horz                            | QP       | 0.0                            | 30.7                 | 43.5                    | -12.8                        | DH5, Mid Ch, EUT Horizontal  |
| 7321.150      | 27.6                | 13.4           | 1.2                           | 144.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 41.0                 | 54.0                    | -13.0                        | DH5, Mid Ch, EUT Vertical    |
| 7321.233      | 27.6                | 13.4           | 1.2                           | 91.0                 | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 41.0                 | 54.0                    | -13.0                        | DH5, Mid Ch, EUT Horizontal  |
| 7439.358      | 27.5                | 13.4           | 1.2                           | 190.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 40.9                 | 54.0                    | -13.1                        | DH5, High Ch, EUT Vertical   |
| 7439.992      | 27.4                | 13.4           | 1.2                           | 8.0                  | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 40.8                 | 54.0                    | -13.2                        | DH5, High Ch, EUT Horizontal |
| 192.007       | 57.3                | -28.3          | 1.0                           | 154.9                | 3.0                       | 0.0                             | Vert                            | QP       | 0.0                            | 29.0                 | 43.5                    | -14.5                        | DH5, High Ch, EUT Horizontal |
| 2485.833      | 43.9                | -4.7           | 1.6                           | 243.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 59.2                 | 74.0                    | -14.8                        | DH5, High Ch, EUT Vertical   |
| 192.007       | 56.7                | -28.3          | 1.0                           | 151.0                | 3.0                       | 0.0                             | Vert                            | QP       | 0.0                            | 28.4                 | 43.5                    | -15.1                        | DH5, Low Ch, EUT Horizontal  |
| 2391.667      | 43.3                | -4.8           | 1.2                           | 332.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 58.5                 | 74.0                    | -15.5                        | 2DH5, Low Ch, EUT Vertical   |
| 2483.942      | 42.9                | -4.7           | 1.2                           | 110.0                | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 58.2                 | 74.0                    | -15.8                        | DH5, High Ch, EUT Horizontal |
| 2391.008      | 42.9                | -4.8           | 1.2                           | 327.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 58.1                 | 74.0                    | -15.9                        | 3DH5, Low Ch, EUT Vertical   |
| 2486.908      | 42.8                | -4.7           | 1.2                           | 345.9                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 58.1                 | 74.0                    | -15.9                        | 3DH5, High Ch, EUT Vertical  |
| 2487.450      | 42.7                | -4.7           | 1.2                           | 33.9                 | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 58.0                 | 74.0                    | -16.0                        | DH5, High Ch, EUT Horizontal |
| 2485.367      | 42.7                | -4.7           | 1.2                           | 279.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 58.0                 | 74.0                    | -16.0                        | DH5, High Ch, EUT On Side    |
| 2392.450      | 42.6                | -4.8           | 1.2                           | 81.9                 | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 57.8                 | 74.0                    | -16.2                        | DH5, Low Ch, EUT Vertical    |
| 2487.600      | 42.4                | -4.7           | 1.1                           | 106.9                | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 57.7                 | 74.0                    | -16.3                        | DH5, High Ch, EUT On Side    |
| 2484.858      | 42.4                | -4.7           | 2.7                           | 91.0                 | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 57.7                 | 74.0                    | -16.3                        | DH5, Low Ch, EUT Horizontal  |
| 2484.408      | 42.2                | -4.7           | 2.1                           | 48.0                 | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 57.5                 | 74.0                    | -16.5                        | 2DH5, High Ch, EUT Vertical  |
| 8046.177      | 41.9                | 15.5           | 1.2                           | 349.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 57.4                 | 74.0                    | -16.6                        | 2DH5, Low Ch, EUT Horizontal |
| 19215.980     | 49.1                | -12.3          | 1.3                           | 8.0                  | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 36.8                 | 54.0                    | -17.2                        | DH5, Low Ch, EUT Horizontal  |
| 127.021       | 56.9                | -30.7          | 1.0                           | 27.9                 | 3.0                       | 0.0                             | Vert                            | QP       | 0.0                            | 26.2                 | 43.5                    | -17.3                        | DH5, Low Ch, EUT Horizontal  |
| 19215.480     | 49.0                | -12.3          | 1.3                           | 43.0                 | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 36.7                 | 54.0                    | -17.3                        | DH5, Low Ch, EUT Horizontal  |
| 8046.335      | 41.2                | 15.5           | 1.2                           | 36.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 56.7                 | 74.0                    | -17.3                        | 3DH5, Low Ch, EUT Horizontal |
| 17757.660     | 38.6                | 16.9           | 2.8                           | 283.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.5                 | 74.0                    | -18.5                        | DH5, Mid Ch, EUT On Side     |
| 8042.213      | 40.0                | 15.5           | 1.2                           | 136.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 55.5                 | 74.0                    | -18.5                        | DH5, Low Ch, EUT On Side     |
| 4962.183      | 27.2                | 8.2            | 2.2                           | 142.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 35.4                 | 54.0                    | -18.6                        | DH5, High Ch, EUT Vertical   |
| 4960.075      | 27.2                | 8.2            | 1.2                           | 96.0                 | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 35.4                 | 54.0                    | -18.6                        | DH5, High Ch, EUT Horizontal |
| 8024.302      | 39.7                | 15.6           | 3.8                           | 144.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.3                 | 74.0                    | -18.7                        | DH5, High Ch, EUT Horizontal |
| 8032.878      | 39.7                | 15.5           | 1.2                           | 39.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 55.2                 | 74.0                    | -18.8                        | DH5, High Ch, EUT Vertical   |
| 8044.813      | 39.7                | 15.5           | 1.2                           | 267.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.2                 | 74.0                    | -18.8                        | DH5, Low Ch, EUT Vertical    |
| 8041.013      | 39.6                | 15.5           | 1.2                           | 93.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.1                 | 74.0                    | -18.9                        | DH5, Low Ch, EUT On Side     |
| 8041.347      | 39.6                | 15.5           | 1.2                           | 247.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 55.1                 | 74.0                    | -18.9                        | DH5, Low Ch, EUT Vertical    |
| 17758.100     | 38.1                | 16.9           | 1.2                           | 267.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.0                 | 74.0                    | -19.0                        | DH5, Mid Ch, EUT Horizontal  |
| 4878.533      | 27.0                | 8.0            | 1.2                           | 177.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 35.0                 | 54.0                    | -19.0                        | DH5, Mid Ch, EUT Vertical    |
| 4877.533      | 27.0                | 8.0            | 1.2                           | 351.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 35.0                 | 54.0                    | -19.0                        | DH5, Mid Ch, EUT Horizontal  |
| 8044.955      | 39.5                | 15.5           | 1.2                           | 241.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.0                 | 74.0                    | -19.0                        | DH5, Low Ch, EUT Horizontal  |
| 17756.210     | 38.0                | 16.9           | 1.2                           | 360.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.9                 | 74.0                    | -19.1                        | DH5, Mid Ch, EUT Vertical    |
| 8043.638      | 39.4                | 15.5           | 1.2                           | 355.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.9                 | 74.0                    | -19.1                        | DH5, Low Ch, EUT Horizontal  |
| 17752.570     | 37.8                | 17.0           | 1.2                           | 247.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 54.8                 | 74.0                    | -19.2                        | DH5, Mid Ch, EUT Horizontal  |
| 17758.630     | 37.8                | 16.9           | 1.2                           | 279.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.7                 | 74.0                    | -19.3                        | DH5, Mid Ch, EUT Horizontal  |
| 4804.183      | 26.9                | 7.8            | 1.2                           | 117.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 34.7                 | 54.0                    | -19.3                        | DH5, Low Ch, EUT Horizontal  |
| 4803.867      | 26.9                | 7.8            | 1.2                           | 177.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 34.7                 | 54.0                    | -19.3                        | DH5, Low Ch, EUT Vertical    |
| 17879.020     | 38.2                | 16.5           | 1.2                           | 166.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.7                 | 74.0                    | -19.3                        | DH5, High Ch, EUT Horizontal |
| 17755.080     | 37.7                | 16.9           | 1.2                           | 57.9                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.6                 | 74.0                    | -19.4                        | DH5, Low Ch, EUT Horizontal  |
| 17758.930     | 37.6                | 16.9           | 1.2                           | 154.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.5                 | 74.0                    | -19.5                        | DH5, Mid Ch, EUT On Side     |
| 17759.230     | 37.5                | 16.9           | 1.2                           | 121.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 54.4                 | 74.0                    | -19.6                        | DH5, Mid Ch, EUT Vertical    |
| 17718.310     | 37.5                | 16.9           | 1.2                           | 249.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 54.4                 | 74.0                    | -19.6                        | DH5, Low Ch, EUT Horizontal  |
| 17860.410     | 37.4                | 16.5           | 1.2                           | 117.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 53.9                 | 74.0                    | -20.1                        | DH5, High Ch, EUT Horizontal |
| 7441.967      | 39.4                | 13.4           | 1.2                           | 190.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 52.8                 | 74.0                    | -21.2                        | DH5, High Ch, EUT Vertical   |
| 7437.917      | 39.4                | 13.4           | 1.2                           | 8.0                  | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 52.8                 | 74.0                    | -21.2                        | DH5, High Ch, EUT Horizontal |
| 7321.850      | 39.4                | 13.4           | 1.2                           | 91.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 52.8                 | 74.0                    | -21.2                        | DH5, Mid Ch, EUT Horizontal  |
| 7320.767      | 39.3                | 13.4           | 1.2                           | 144.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 52.7                 | 74.0                    | -21.3                        | DH5, Mid Ch, EUT Vertical    |
| 12395.130     | 29.2                | -0.4           | 2.7                           | 170.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 28.8                 | 54.0                    | -25.2                        | DH5, Low Ch, EUT Vertical    |
| 19216.130     | 61.1                | -12.3          | 1.3                           | 8.0                  | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 48.8                 | 74.0                    | -25.2                        | DH5, Low Ch, EUT Horizontal  |
| 12394.130     | 29.0                | -0.4           | 1.2                           | 171.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 28.6                 | 54.0                    | -25.4                        | DH5, Low Ch, EUT Vertical    |
| 12398.880     | 28.9                | -0.4           | 1.2                           | 265.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 28.5                 | 54.0                    | -25.5                        | DH5, High Ch, EUT Vertical   |
| 12398.080     | 28.9                | -0.4           | 1.2                           | 321.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 28.5                 | 54.0                    | -25.5                        | DH5, High Ch, EUT Vertical   |
| 12396.770     | 28.9                | -0.4           | 1.2                           | 110.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 28.5                 | 54.0                    | -25.5                        | DH5, Low Ch, EUT On Side     |
| 12395.330     | 28.9                | -0.4           | 1.2                           | 286.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 28.5                 | 54.0                    | -25.5                        | DH5, Low Ch, EUT Horizontal  |
| 12393.950     | 28.9                | -0.4           | 1.2                           | 213.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 28.5                 | 54.0                    | -25.5                        | DH5, Low Ch, EUT On Side     |
| 12393.670     | 28.9                | -0.4           | 1.2                           | 252.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 28.5                 | 54.0                    | -25.5                        | DH5, Low Ch, EUT Horizontal  |
| 12200.500     | 29.2                | -0.8           | 1.2                           | 78.0                 | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 28.4                 | 54.0                    | -25.6                        | DH5, Mid Ch, EUT Vertical    |
| 19217.930     | 60.7                | -12.3          | 1.3                           | 43.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 48.4                 | 74.0                    | -25.6                        | DH5, Low Ch, EUT Horizontal  |
| 12200.920     | 29.1                | -0.8           | 2.8                           | 135.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 28.3                 | 54.0                    | -25.7                        | DH5, Mid Ch, EUT Vertical    |
| 12009.350     | 29.6                | -1.3           | 1.2                           | 241.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 28.3                 | 54.0                    | -25.7                        | DH5, Low Ch, EUT Vertical    |
| 12009.120     | 29.5                | -1.3           | 1.2                           | 356.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 28.2                 | 54.0                    | -25.8                        | DH5, Low Ch, EUT Vertical    |
| 4962.483      | 39.1                | 8.2            | 2.2                           | 142.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 47.3                 | 74.0                    | -26.7                        | DH5, High Ch, EUT Vertical   |
| 4881.242      | 39.0                | 8.0            | 1.2                           | 351.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 47.0                 | 74.0                    | -27.0                        | DH5, Mid Ch, EUT Horizontal  |
| 4958.433      | 38.5                | 8.2            | 1.2                           | 96.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 46.7                 | 74.0                    | -27.3                        | DH5, High Ch, EUT Horizontal |
| 4879.992      | 38.3                | 8.0            | 1.2                           | 177.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 46.3                 | 74.0                    | -27.7                        | DH5, Mid Ch, EUT Vertical    |
| 4801.858      | 38.5                | 7.8            | 1.2                           | 117.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 46.3                 | 74.0                    | -27.7                        | DH5, Low Ch, EUT Horizontal  |
| 4803.108      | 38.3                | 7.8            | 1.2                           | 177.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 46.1                 | 74.0                    | -27.9                        | DH5, Low Ch, EUT Vertical    |
| 12398.260     | 40.8                | -0.4           | 1.2                           | 321.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 40.4                 | 74.0                    | -33.6                        | DH5, High Ch, EUT Vertical   |
| 12396.160     | 40.8                | -0.4           | 2.7                           | 170.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 40.4                 | 74.0                    | -33.6                        | DH5, Low Ch, EUT Vertical    |
| 12395.370     | 40.6                | -0.4           | 1.2                           | 171.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 40.2                 | 74.0                    | -33.8                        | DH5, Low Ch, EUT Vertical    |
| 12398.200     | 40.5                | -0.4           | 1.2                           | 110.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 40.1                 | 74.0                    | -33.9                        | DH5, Low Ch, EUT On Side     |
| 12398.040     | 40.5                | -0.4           | 1.2                           | 265.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 40.1                 | 74.0                    | -33.9                        | DH5, High Ch, EUT Vertical   |
| 12394.960     | 40.5                | -0.4           | 1.2                           | 286.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 40.1                 | 74.0                    | -33.9                        | DH5, Low Ch, EUT Horizontal  |
| 12394.390     | 40.4                | -0.4           | 1.2                           | 252.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 40.0                 | 74.0                    | -34.0                        | DH5, Low Ch, EUT Horizontal  |
| 12393.880     | 40.4                | -0.4           | 1.2                           | 213.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 40.0                 | 74.0                    | -34.0                        | DH5, Low Ch, EUT On Side     |
| 12198.870     | 40.8                | -0.8           | 2.8                           | 135.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 40.0                 | 74.0                    | -34.0                        | DH5, Mid Ch, EUT Vertical    |
| 12011.220     | 41.2                | -1.3           | 1.2                           | 356.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 39.9                 | 74.0                    | -34.1                        | DH5, Low Ch, EUT Vertical    |
| 12008.310     | 41.0                | -1.3           | 1.2                           | 241.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 39.7                 | 74.0                    | -34.3                        | DH5, Low Ch, EUT Vertical    |
| 12201.840     | 40.4                | -0.8           | 1.2                           | 78.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 39.6                 | 74.0                    | -34.4                        | DH5, Mid Ch, EUT Vertical    |

|                 |                                                                              |                   |           |                                                                                    |                 |
|-----------------|------------------------------------------------------------------------------|-------------------|-----------|------------------------------------------------------------------------------------|-----------------|
| Work Order:     | ETHE0018                                                                     | Date:             | 01/09/15  |  |                 |
| Project:        | None                                                                         | Temperature:      | 22.1 °C   |                                                                                    |                 |
| Job Site:       | TX02                                                                         | Humidity:         | 15.4% RH  |                                                                                    |                 |
| Serial Number:  | 00409D 7C03D2                                                                | Barometric Pres.: | 1035 mbar | Tested by:                                                                         | Jonathan Kiefer |
| EUT:            | ConnectCore i.MX6 Wi-Fi/Bluetooth                                            |                   |           |                                                                                    |                 |
| Configuration:  | 4                                                                            |                   |           |                                                                                    |                 |
| Customer:       | Etherios Design Solutions                                                    |                   |           |                                                                                    |                 |
| Attendees:      | None                                                                         |                   |           |                                                                                    |                 |
| EUT Power:      | 5VDC                                                                         |                   |           |                                                                                    |                 |
| Operating Mode: | Transmitting DH5, 2DH5, 3DH5. Low, Mid, High Channel @ 2402, 2440, 2480 MHz. |                   |           |                                                                                    |                 |
| Deviations:     | None                                                                         |                   |           |                                                                                    |                 |
| Comments:       | None                                                                         |                   |           |                                                                                    |                 |

|                     |                  |
|---------------------|------------------|
| Test Specifications | Test Method      |
| FCC 15.247:2015     | ANSI C63.10:2009 |

|       |    |                   |   |                   |           |         |      |
|-------|----|-------------------|---|-------------------|-----------|---------|------|
| Run # | 61 | Test Distance (m) | 3 | Antenna Height(s) | 1 to 4(m) | Results | Pass |
|-------|----|-------------------|---|-------------------|-----------|---------|------|



| Freq (MHz) | Amplitude (dBuV) | Factor (dB) | Antenna Height (meters) | Azimuth (degrees) | Test Distance (meters) | External Attenuation (dB) | Polarity/Transducer Type | Detector | Distance Adjustment (dB) | Adjusted (dBuV/m) | Spec. Limit (dBuV/m) | Compared to Spec. (dB) | Comments                          |
|------------|------------------|-------------|-------------------------|-------------------|------------------------|---------------------------|--------------------------|----------|--------------------------|-------------------|----------------------|------------------------|-----------------------------------|
| 2483.082   | 35.1             | -4.7        | 3.5                     | 225.9             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 50.4              | 54.0                 | -3.6                   | 3DH5, High Channel, EUT Vertical  |
| 2483.192   | 34.0             | -4.7        | 1.2                     | 127.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 49.3              | 54.0                 | -4.7                   | DH5, High Channel, EUT Vertical   |
| 2483.117   | 53.9             | -4.7        | 1.2                     | 127.0             | 3.0                    | 20.0                      | Horz                     | PK       | 0.0                      | 69.2              | 74.0                 | -4.8                   | DH5, High Channel, EUT Vertical   |
| 742.486    | 54.6             | -13.4       | 1.0                     | 230.0             | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 41.2              | 46.0                 | -4.8                   | DH5, Mid Ch, EUT Horizontal       |
| 2483.023   | 53.7             | -4.7        | 1.7                     | 284.0             | 3.0                    | 20.0                      | Horz                     | PK       | 0.0                      | 69.0              | 74.0                 | -5.0                   | DH5, High Channel, EUT On Side    |
| 2483.175   | 32.6             | -4.7        | 4.0                     | 21.0              | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 47.9              | 54.0                 | -6.1                   | DH5, High Channel, EUT Vertical   |
| 2483.345   | 52.0             | -4.7        | 4.0                     | 21.0              | 3.0                    | 20.0                      | Vert                     | PK       | 0.0                      | 67.3              | 74.0                 | -6.7                   | DH5, High Channel, EUT Vertical   |
| 2483.535   | 51.9             | -4.7        | 3.5                     | 225.9             | 3.0                    | 20.0                      | Horz                     | PK       | 0.0                      | 67.2              | 74.0                 | -6.8                   | 3DH5, High Channel, EUT Vertical  |
| 2483.247   | 31.3             | -4.7        | 1.2                     | 45.0              | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 46.6              | 54.0                 | -7.4                   | DH5, High Channel, EUT Horizontal |
| 2483.355   | 31.0             | -4.7        | 1.2                     | 278.0             | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 46.3              | 54.0                 | -7.7                   | DH5, High Channel, EUT On Side    |
| 2483.570   | 30.9             | -4.7        | 1.2                     | 50.0              | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.2              | 54.0                 | -7.8                   | DH5, High Channel, EUT Horizontal |
| 2390.458   | 30.9             | -4.8        | 1.2                     | 33.9              | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | DH5, Low Channel, EUT Vertical    |
| 2390.358   | 30.9             | -4.8        | 1.2                     | 285.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | 2DH5, Low Channel, EUT Vertical   |
| 2390.060   | 30.9             | -4.8        | 1.6                     | 150.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | 3DH5, Low Channel, EUT Vertical   |
| 2389.670   | 30.9             | -4.8        | 1.2                     | 187.0             | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | 2DH5, Low Channel, EUT Vertical   |
| 2389.535   | 30.9             | -4.8        | 3.0                     | 308.0             | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | 3DH5, Low Channel, EUT Vertical   |
| 2483.452   | 30.8             | -4.7        | 1.2                     | 21.0              | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | 2DH5, High Channel, EUT Vertical  |
| 2483.287   | 30.8             | -4.7        | 1.7                     | 284.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.1              | 54.0                 | -7.9                   | DH5, High Channel, EUT On Side    |
| 2389.873   | 30.8             | -4.8        | 3.8                     | 286.9             | 3.0                    | 20.0                      | Vert                     | AV       | 0.0                      | 46.0              | 54.0                 | -8.0                   | DH5, Low Channel, EUT Vertical    |
| 2877.763   | 28.6             | -2.6        | 1.2                     | 297.0             | 3.0                    | 20.0                      | Horz                     | AV       | 0.0                      | 46.0              | 54.0                 | -8.0                   | DH5, Low Channel, EUT Horizontal  |
| 96.010     | 65.9             | -31.2       | 1.0                     | 72.0              | 3.0                    | 0.0                       | Vert                     | QP       | 0.0                      | 34.7              | 43.5                 | -8.8                   | DH5, High Ch, EUT Horizontal      |
| 2483.370   | 49.0             | -4.7        | 1.2                     | 278.0             | 3.0                    | 20.0                      | Vert                     | PK       | 0.0                      | 64.3              | 74.0                 | -9.7                   | DH5, High Channel, EUT On Side    |
| 8079.400   | 28.0             | 15.3        | 1.2                     | 157.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, Mid Ch, EUT Vertical         |
| 8080.325   | 28.0             | 15.3        | 1.2                     | 208.9             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, Mid Ch, EUT On Side          |
| 8080.692   | 28.0             | 15.3        | 1.2                     | 108.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, Mid Ch, EUT Horizontal       |
| 8081.158   | 28.0             | 15.3        | 1.2                     | 109.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, Mid Ch, EUT Vertical         |
| 8081.275   | 28.0             | 15.3        | 1.2                     | 169.0             | 3.0                    | 0.0                       | Vert                     | AV       | 0.0                      | 43.3              | 54.0                 | -10.7                  | DH5, Mid Ch, EUT On Side          |
| 8082.225   | 28.0             | 15.2        | 1.2                     | 145.0             | 3.0                    | 0.0                       | Horz                     | AV       | 0.0                      | 43.2              | 54.0                 | -10.8                  | DH5, Mid Ch, EUT Horizontal       |

| Freq<br>(MHz) | Amplitude<br>(dBuV) | Factor<br>(dB) | Antenna<br>Height<br>(meters) | Azimuth<br>(degrees) | Test Distance<br>(meters) | External<br>Attenuation<br>(dB) | Polarity/<br>Transducer<br>Type | Detector | Distance<br>Adjustment<br>(dB) | Adjusted<br>(dBuV/m) | Spec. Limit<br>(dBuV/m) | Compared to<br>Spec.<br>(dB) | Comments                          |
|---------------|---------------------|----------------|-------------------------------|----------------------|---------------------------|---------------------------------|---------------------------------|----------|--------------------------------|----------------------|-------------------------|------------------------------|-----------------------------------|
| 8082.250      | 28.0                | 15.2           | 1.2                           | 73.0                 | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 43.2                 | 54.0                    | -10.8                        | DH5, Mid Ch, EUT On Side          |
| 8083.155      | 28.0                | 15.2           | 1.3                           | 243.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 43.2                 | 54.0                    | -10.8                        | 3DH5, Mid Channel, EUT Horizontal |
| 8083.125      | 27.9                | 15.2           | 1.2                           | 309.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 43.1                 | 54.0                    | -10.9                        | DH5, Mid Ch, EUT Horizontal       |
| 8083.788      | 27.9                | 15.2           | 2.4                           | 3.0                  | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 43.1                 | 54.0                    | -10.9                        | 2DH5, Mid Channel, EUT Horizontal |
| 8107.202      | 27.9                | 15.1           | 1.2                           | 12.0                 | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 43.0                 | 54.0                    | -11.0                        | DH5, Low Ch, EUT On Side          |
| 8140.772      | 27.8                | 14.9           | 1.2                           | 279.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 42.7                 | 54.0                    | -11.3                        | DH5, Low Ch, EUT Horizontal       |
| 192.005       | 59.8                | -28.3          | 1.7                           | 177.0                | 3.0                       | 0.0                             | Horz                            | QP       | 0.0                            | 31.5                 | 43.5                    | -12.0                        | DH5, Mid Ch, EUT Horizontal       |
| 17760.260     | 24.4                | 16.9           | 1.2                           | 54.0                 | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 41.3                 | 54.0                    | -12.7                        | DH5, Mid Channel, EUT On Side     |
| 17760.870     | 24.4                | 16.9           | 1.2                           | 292.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 41.3                 | 54.0                    | -12.7                        | DH5, Low Channel, EUT On Side     |
| 17766.900     | 24.4                | 16.9           | 1.2                           | 54.0                 | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 41.3                 | 54.0                    | -12.7                        | DH5, High Channel, EUT On Side    |
| 17810.470     | 24.5                | 16.7           | 1.3                           | 198.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 41.2                 | 54.0                    | -12.8                        | DH5, High Channel, EUT Horizontal |
| 17734.680     | 24.2                | 17.0           | 2.4                           | 122.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 41.2                 | 54.0                    | -12.8                        | DH5, Low Channel, EUT Horizontal  |
| 17779.060     | 24.3                | 16.9           | 1.2                           | 93.9                 | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 41.2                 | 54.0                    | -12.8                        | DH5, Mid Channel, EUT Horizontal  |
| 7321.908      | 27.6                | 13.4           | 3.6                           | 171.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 41.0                 | 54.0                    | -13.0                        | DH5, Mid Ch, EUT On Side          |
| 7440.650      | 27.5                | 13.4           | 1.2                           | 274.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 40.9                 | 54.0                    | -13.1                        | DH5, High Ch, EUT On Side         |
| 7437.750      | 27.5                | 13.4           | 1.2                           | 298.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 40.9                 | 54.0                    | -13.1                        | DH5, High Ch, EUT Horizontal      |
| 7320.467      | 27.5                | 13.4           | 1.2                           | 67.0                 | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 40.9                 | 54.0                    | -13.1                        | DH5, Mid Ch, EUT Horizontal       |
| 192.005       | 57.6                | -28.3          | 1.0                           | 160.9                | 3.0                       | 0.0                             | Vert                            | QP       | 0.0                            | 29.3                 | 43.5                    | -14.2                        | DH5, High Ch, EUT Horizontal      |
| 2878.605      | 41.8                | -2.6           | 1.2                           | 297.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 59.2                 | 74.0                    | -14.8                        | DH5, Low Channel, EUT Horizontal  |
| 2390.485      | 43.0                | -4.8           | 1.6                           | 150.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 58.2                 | 74.0                    | -15.8                        | 3DH5, Low Channel, EUT Vertical   |
| 2390.433      | 43.0                | -4.8           | 1.2                           | 33.9                 | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 58.2                 | 74.0                    | -15.8                        | DH5, Low Channel, EUT Vertical    |
| 2390.310      | 42.9                | -4.8           | 1.2                           | 285.0                | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 58.1                 | 74.0                    | -15.9                        | 2DH5, Low Channel, EUT Vertical   |
| 2389.640      | 42.8                | -4.8           | 3.0                           | 308.0                | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 58.0                 | 74.0                    | -16.0                        | 3DH5, Low Channel, EUT Vertical   |
| 2483.540      | 42.7                | -4.7           | 1.2                           | 21.0                 | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 58.0                 | 74.0                    | -16.0                        | 2DH5, High Channel, EUT Vertical  |
| 2389.537      | 42.6                | -4.8           | 1.2                           | 187.0                | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 57.8                 | 74.0                    | -16.2                        | 2DH5, Low Channel, EUT Vertical   |
| 2483.325      | 42.4                | -4.7           | 1.2                           | 50.0                 | 3.0                       | 20.0                            | Horz                            | PK       | 0.0                            | 57.7                 | 74.0                    | -16.3                        | DH5, High Channel, EUT Horizontal |
| 2483.945      | 42.3                | -4.7           | 1.2                           | 45.0                 | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 57.6                 | 74.0                    | -16.4                        | DH5, High Channel, EUT Horizontal |
| 2390.045      | 42.1                | -4.8           | 3.8                           | 286.9                | 3.0                       | 20.0                            | Vert                            | PK       | 0.0                            | 57.3                 | 74.0                    | -16.7                        | DH5, Low Channel, EUT Vertical    |
| 19214.060     | 49.0                | -12.3          | 1.3                           | 76.9                 | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 36.7                 | 54.0                    | -17.3                        | DH5, Low Ch, EUT Horizontal       |
| 19215.650     | 49.0                | -12.3          | 1.3                           | 157.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 36.7                 | 54.0                    | -17.3                        | DH5, Low Ch, EUT Horizontal       |
| 127.016       | 56.1                | -30.7          | 1.0                           | 12.0                 | 3.0                       | 0.0                             | Vert                            | QP       | 0.0                            | 25.4                 | 43.5                    | -18.1                        | DH5, Low Ch, EUT Horizontal       |
| 8082.475      | 40.7                | 15.2           | 1.2                           | 145.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.9                 | 74.0                    | -18.1                        | DH5, Mid Ch, EUT Horizontal       |
| 4962.450      | 27.1                | 8.2            | 4.0                           | 148.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 35.3                 | 54.0                    | -18.7                        | DH5, High Ch, EUT Horizontal      |
| 4962.433      | 27.1                | 8.2            | 1.2                           | 109.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 35.3                 | 54.0                    | -18.7                        | DH5, High Ch, EUT On Side         |
| 8104.243      | 40.2                | 15.1           | 1.2                           | 12.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 55.3                 | 74.0                    | -18.7                        | DH5, Low Ch, EUT On Side          |
| 8079.425      | 39.9                | 15.3           | 1.2                           | 309.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 55.2                 | 74.0                    | -18.8                        | DH5, Mid Ch, EUT Horizontal       |
| 4877.517      | 27.1                | 8.0            | 1.6                           | 222.0                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 35.1                 | 54.0                    | -18.9                        | DH5, Mid Ch, EUT Horizontal       |
| 8081.425      | 39.8                | 15.3           | 1.2                           | 169.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 55.1                 | 74.0                    | -18.9                        | DH5, Mid Ch, EUT On Side          |
| 4878.267      | 27.0                | 8.0            | 1.2                           | 135.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 35.0                 | 54.0                    | -19.0                        | DH5, Mid Ch, On Side              |
| 4801.500      | 27.1                | 7.8            | 1.2                           | 264.0                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 34.9                 | 54.0                    | -19.1                        | DH5, Low Ch, On Side              |
| 4801.708      | 27.0                | 7.8            | 2.8                           | 99.0                 | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 34.8                 | 54.0                    | -19.2                        | DH5, Low Ch, EUT Horizontal       |
| 8079.625      | 39.5                | 15.3           | 1.2                           | 208.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 54.8                 | 74.0                    | -19.2                        | DH5, Mid Ch, EUT On Side          |
| 8084.622      | 39.5                | 15.2           | 1.3                           | 243.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 54.7                 | 74.0                    | -19.3                        | 3DH5, Mid Channel, EUT Horizontal |
| 8080.925      | 39.4                | 15.3           | 1.2                           | 73.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.7                 | 74.0                    | -19.3                        | DH5, Mid Ch, EUT On Side          |
| 8082.442      | 39.4                | 15.2           | 1.2                           | 108.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.6                 | 74.0                    | -19.4                        | DH5, Mid Ch, EUT Horizontal       |
| 8082.975      | 39.4                | 15.2           | 1.2                           | 109.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 54.6                 | 74.0                    | -19.4                        | DH5, Mid Ch, EUT Vertical         |
| 8084.480      | 39.4                | 15.2           | 2.4                           | 3.0                  | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 54.6                 | 74.0                    | -19.4                        | 2DH5, Mid Channel, EUT Horizontal |
| 8080.308      | 39.2                | 15.3           | 1.2                           | 157.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 54.5                 | 74.0                    | -19.5                        | DH5, Mid Ch, EUT Vertical         |
| 8140.055      | 39.1                | 14.9           | 1.2                           | 279.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 54.0                 | 74.0                    | -20.0                        | DH5, Low Ch, EUT Horizontal       |
| 193.627       | 51.3                | -28.2          | 1.0                           | 304.9                | 3.0                       | 0.0                             | Vert                            | QP       | 0.0                            | 23.1                 | 43.5                    | -20.4                        | DH5, Low Ch, EUT Horizontal       |
| 17736.370     | 36.2                | 17.0           | 2.4                           | 122.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 53.2                 | 74.0                    | -20.8                        | DH5, Low Channel, EUT Horizontal  |
| 17779.080     | 36.3                | 16.9           | 1.2                           | 93.9                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 53.2                 | 74.0                    | -20.8                        | DH5, Mid Channel, EUT Horizontal  |
| 17760.270     | 36.2                | 16.9           | 1.2                           | 54.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 53.1                 | 74.0                    | -20.9                        | DH5, Mid Channel, EUT On Side     |
| 17807.410     | 36.3                | 16.7           | 1.3                           | 198.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 53.0                 | 74.0                    | -21.0                        | DH5, High Channel, EUT Horizontal |
| 17765.470     | 36.1                | 16.9           | 1.2                           | 54.0                 | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 53.0                 | 74.0                    | -21.0                        | DH5, High Channel, EUT On Side    |
| 17761.570     | 36.0                | 16.9           | 1.2                           | 292.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 52.9                 | 74.0                    | -21.1                        | DH5, Low Channel, EUT On Side     |
| 7437.925      | 39.2                | 13.4           | 1.2                           | 298.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 52.6                 | 74.0                    | -21.4                        | DH5, High Ch, EUT Horizontal      |
| 7320.675      | 39.1                | 13.4           | 1.2                           | 67.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 52.5                 | 74.0                    | -21.5                        | DH5, Mid Ch, EUT Horizontal       |
| 7318.658      | 39.1                | 13.4           | 3.6                           | 171.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 52.5                 | 74.0                    | -21.5                        | DH5, Mid Ch, EUT On Side          |
| 7440.517      | 38.9                | 13.4           | 1.2                           | 274.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 52.3                 | 74.0                    | -21.7                        | DH5, High Ch, EUT On Side         |
| 12399.780     | 29.1                | -0.4           | 2.4                           | 160.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 28.7                 | 54.0                    | -25.3                        | DH5, High Channel, EUT Horizontal |
| 12399.760     | 29.0                | -0.4           | 1.2                           | 333.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 28.6                 | 54.0                    | -25.4                        | DH5, High Channel, EUT On Side    |
| 12201.280     | 29.3                | -0.8           | 1.2                           | 129.9                | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 28.5                 | 54.0                    | -25.5                        | DH5, Mid Channel, EUT Horizontal  |
| 12200.560     | 29.3                | -0.8           | 1.2                           | 112.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 28.5                 | 54.0                    | -25.5                        | DH5, Mid Channel, EUT On Side     |
| 12007.630     | 29.7                | -1.3           | 1.8                           | 75.9                 | 3.0                       | 0.0                             | Horz                            | AV       | 0.0                            | 28.4                 | 54.0                    | -25.6                        | DH5, Low Channel, EUT Horizontal  |
| 19215.580     | 60.6                | -12.3          | 1.3                           | 157.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 48.3                 | 74.0                    | -25.7                        | DH5, Low Ch, EUT Horizontal       |
| 12008.220     | 29.6                | -1.3           | 1.2                           | 202.9                | 3.0                       | 0.0                             | Vert                            | AV       | 0.0                            | 28.3                 | 54.0                    | -25.7                        | DH5, Low Channel, EUT On Side     |
| 19214.100     | 60.4                | -12.3          | 1.3                           | 76.9                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 48.1                 | 74.0                    | -25.9                        | DH5, Low Ch, EUT Horizontal       |
| 4961.842      | 38.7                | 8.2            | 1.2                           | 109.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 46.9                 | 74.0                    | -27.1                        | DH5, High Ch, EUT On Side         |
| 4960.967      | 38.7                | 8.2            | 4.0                           | 148.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 46.9                 | 74.0                    | -27.1                        | DH5, High Ch, EUT Horizontal      |
| 4877.750      | 38.5                | 8.0            | 1.6                           | 222.0                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 46.5                 | 74.0                    | -27.5                        | DH5, Mid Ch, EUT Horizontal       |
| 4879.400      | 38.4                | 8.0            | 1.2                           | 135.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 46.4                 | 74.0                    | -27.6                        | DH5, Mid Ch, EUT On Side          |
| 4805.467      | 38.5                | 7.8            | 1.2                           | 264.0                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 46.3                 | 74.0                    | -27.7                        | DH5, Low Ch, On Side              |
| 4804.892      | 38.0                | 7.8            | 2.8                           | 99.0                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 45.8                 | 74.0                    | -28.2                        | DH5, Low Ch, EUT Horizontal       |
| 12197.760     | 41.6                | -0.8           | 1.2                           | 112.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 40.8                 | 74.0                    | -33.2                        | DH5, Mid Channel, EUT On Side     |
| 12399.630     | 41.0                | -0.4           | 1.2                           | 333.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 40.6                 | 74.0                    | -33.4                        | DH5, High Channel, EUT On Side    |
| 12009.780     | 41.6                | -1.3           | 1.2                           | 202.9                | 3.0                       | 0.0                             | Vert                            | PK       | 0.0                            | 40.3                 | 74.0                    | -33.7                        | DH5, Low Channel, EUT On Side     |
| 12008.180     | 41.4                | -1.3           | 1.8                           | 75.9                 | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 40.1                 | 74.0                    | -33.9                        | DH5, Low Channel, EUT Horizontal  |
| 12398.410     | 40.4                | -0.4           | 2.4                           | 160.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 40.0                 | 74.0                    | -34.0                        | DH5, High Channel, EUT Horizontal |
| 12199.760     | 40.7                | -0.8           | 1.2                           | 129.9                | 3.0                       | 0.0                             | Horz                            | PK       | 0.0                            | 39.9                 | 74.0                    | -34.1                        | DH5, Mid Channel, EUT Horizontal  |

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST EQUIPMENT

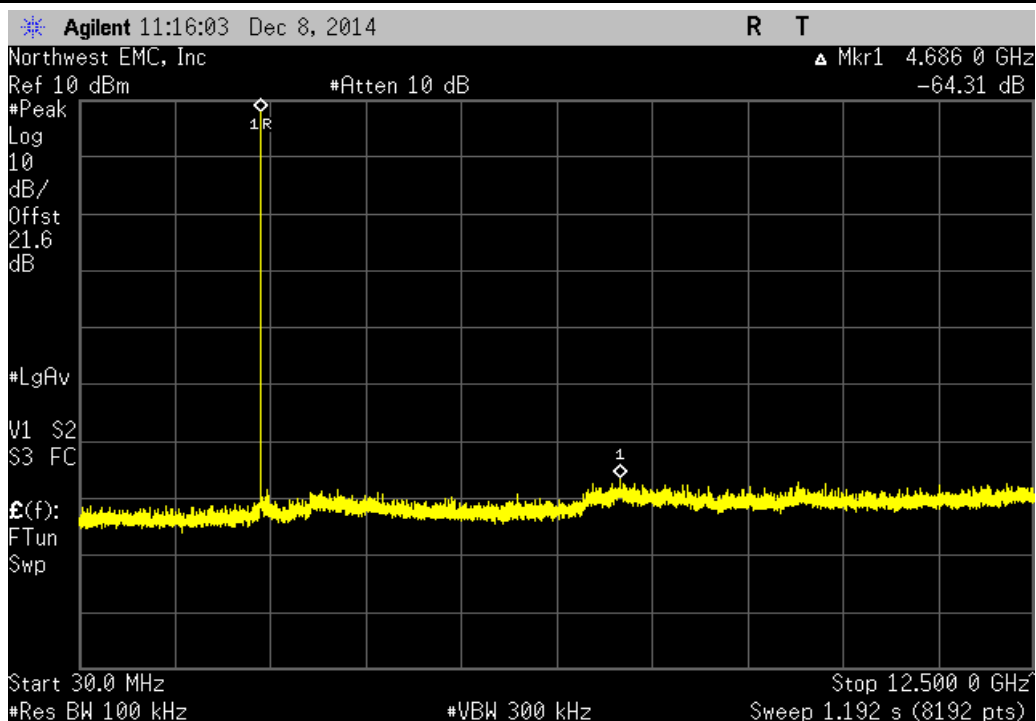
| Description                 | Manufacturer       | Model           | ID  | Last Cal. | Interval (mos) |
|-----------------------------|--------------------|-----------------|-----|-----------|----------------|
| MN08 Direct Connect Cable   | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 10/2/2014 | 12             |
| Attenuator - 20db, 'SMA'    | SM Electronics     | SA26B-20        | RFW | 4/3/2014  | 12             |
| 40 GHz DC Block             | Fairview Microwave | SD3379          | AMI | 10/2/2014 | 12             |
| MXG Vector Signal Generator | Agilent            | N5182A          | TIF | 8/12/2014 | 36             |
| Spectrum Analyzer           | Agilent            | E4440A          | AAX | 4/28/2014 | 12             |

## TEST DESCRIPTION

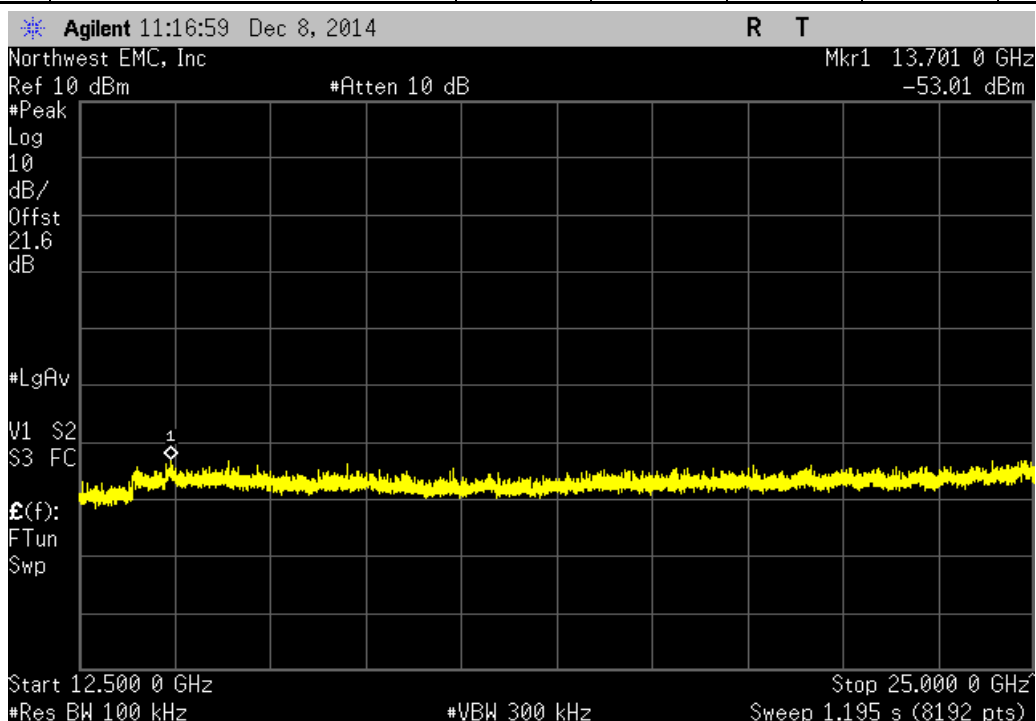
The spurious RF conducted emissions were measured with the EUT set to low, medium and high transmit frequencies. The measurements were made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the data rate(s) listed in the datasheet in a no-hop mode. For each transmit frequency, the spectrum was scanned throughout the specified frequency range.

|                                       |                        |                              |               |
|---------------------------------------|------------------------|------------------------------|---------------|
| EUT: ConnectCore i.MX6 WiFi/Bluetooth |                        | Work Order: ETHE0018         |               |
| Serial Number: 00409D 7C03D2          |                        | Date: 12/08/14               |               |
| Customer: Etherios Design Solutions   |                        | Temperature: 22°C            |               |
| Attendees: None                       |                        | Humidity: 22%                |               |
| Project: None                         |                        | Barometric Pres.: 1019.6     |               |
| Tested by: Trevor Buls                |                        | Power: 5VDC                  |               |
|                                       |                        | Job Site: MN08               |               |
| TEST SPECIFICATIONS                   |                        | Test Method                  |               |
| FCC 15.247:2015                       |                        | ANSI C63.10:2009             |               |
| COMMENTS                              |                        |                              |               |
| None                                  |                        |                              |               |
| DEVIATIONS FROM TEST STANDARD         |                        |                              |               |
| None                                  |                        |                              |               |
| Configuration #                       | 1                      | Signature <i>Trevor Buls</i> |               |
|                                       |                        | Frequency Range              | Value (dBc)   |
|                                       |                        |                              | Limit ≤ (dBc) |
|                                       |                        |                              | Result        |
| No-Hop Mode                           |                        |                              |               |
| DH5, GFSK                             |                        |                              |               |
|                                       | Low Channel, 2402 MHz  | 30 MHz - 12.5 GHz            | -64.31        |
|                                       | Low Channel, 2402 MHz  | 12.5 GHz - 25 GHz            | -60.99        |
|                                       | Mid Channel, 2440 MHz  | 30 MHz - 12.5 GHz            | -64.06        |
|                                       | Mid Channel, 2440 MHz  | 12.5 GHz - 25 GHz            | -59.71        |
|                                       | High Channel, 2480 MHz | 30 MHz - 12.5 GHz            | -64.05        |
|                                       | High Channel, 2480 MHz | 12.5 GHz - 25 GHz            | -59.68        |
| 2DH5, pi/4-DQPSK                      |                        |                              |               |
|                                       | Low Channel, 2402 MHz  | 30 MHz - 12.5 GHz            | -62.26        |
|                                       | Low Channel, 2402 MHz  | 12.5 GHz - 25 GHz            | -59.09        |
|                                       | Mid Channel, 2440 MHz  | 30 MHz - 12.5 GHz            | -62.03        |
|                                       | Mid Channel, 2440 MHz  | 12.5 GHz - 25 GHz            | -59           |
|                                       | High Channel, 2480 MHz | 30 MHz - 12.5 GHz            | -64.04        |
|                                       | High Channel, 2480 MHz | 12.5 GHz - 25 GHz            | -60.46        |
| 3DH5, 8-DPSK                          |                        |                              |               |
|                                       | Low Channel, 2402 MHz  | 30 MHz - 12.5 GHz            | -65.02        |
|                                       | Low Channel, 2402 MHz  | 12.5 GHz - 25 GHz            | -60.07        |
|                                       | Mid Channel, 2440 MHz  | 30 MHz - 12.5 GHz            | -64.27        |
|                                       | Mid Channel, 2440 MHz  | 12.5 GHz - 25 GHz            | -60.65        |
|                                       | High Channel, 2480 MHz | 30 MHz - 12.5 GHz            | -63.8         |
|                                       | High Channel, 2480 MHz | 12.5 GHz - 25 GHz            | -60.33        |

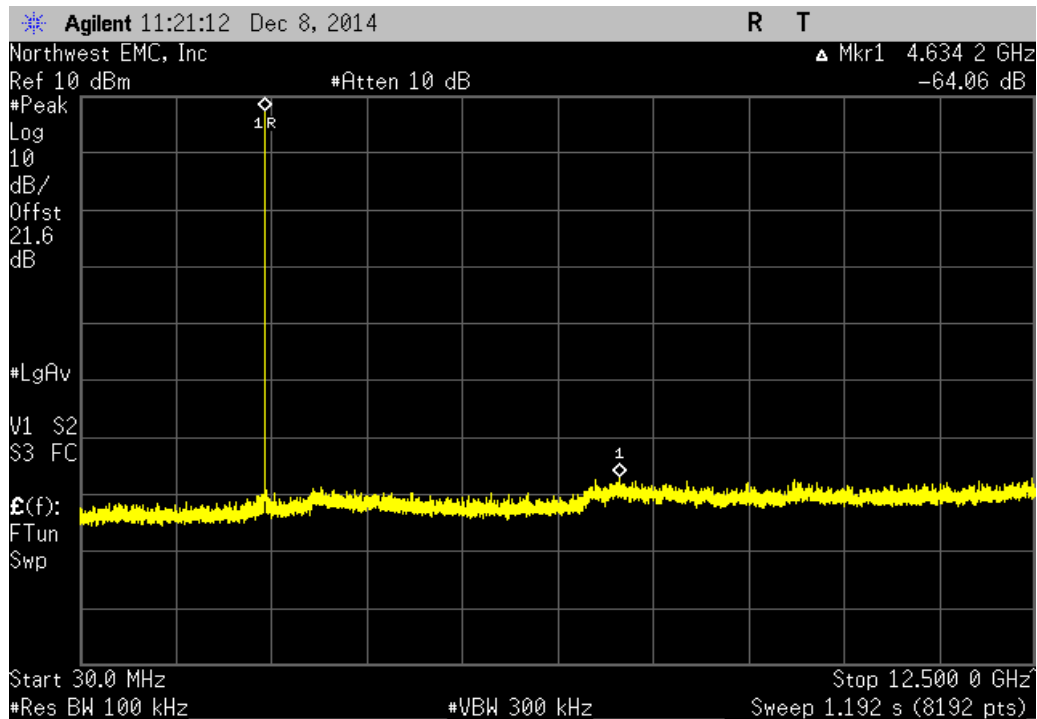
| No-Hop Mode, DH5, GFSK, Low Channel, 2402 MHz |             |               |        |  |
|-----------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                               | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                             | -64.31      | -20           | Pass   |  |



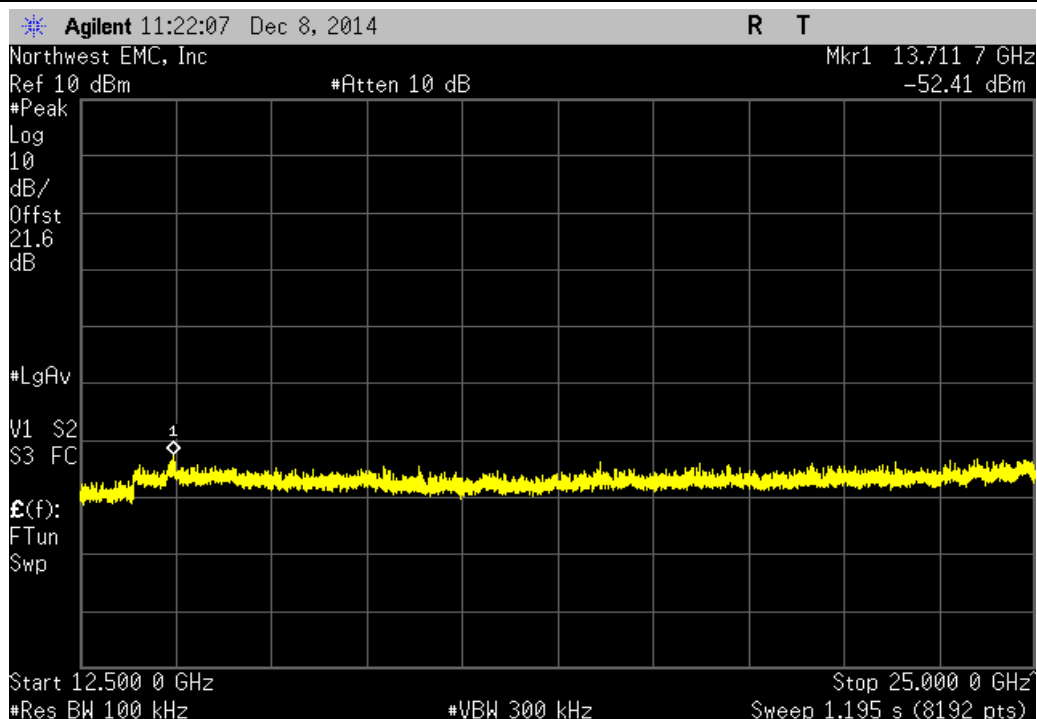
| No-Hop Mode, DH5, GFSK, Low Channel, 2402 MHz |             |               |        |  |
|-----------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                               | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                             | -60.99      | -20           | Pass   |  |



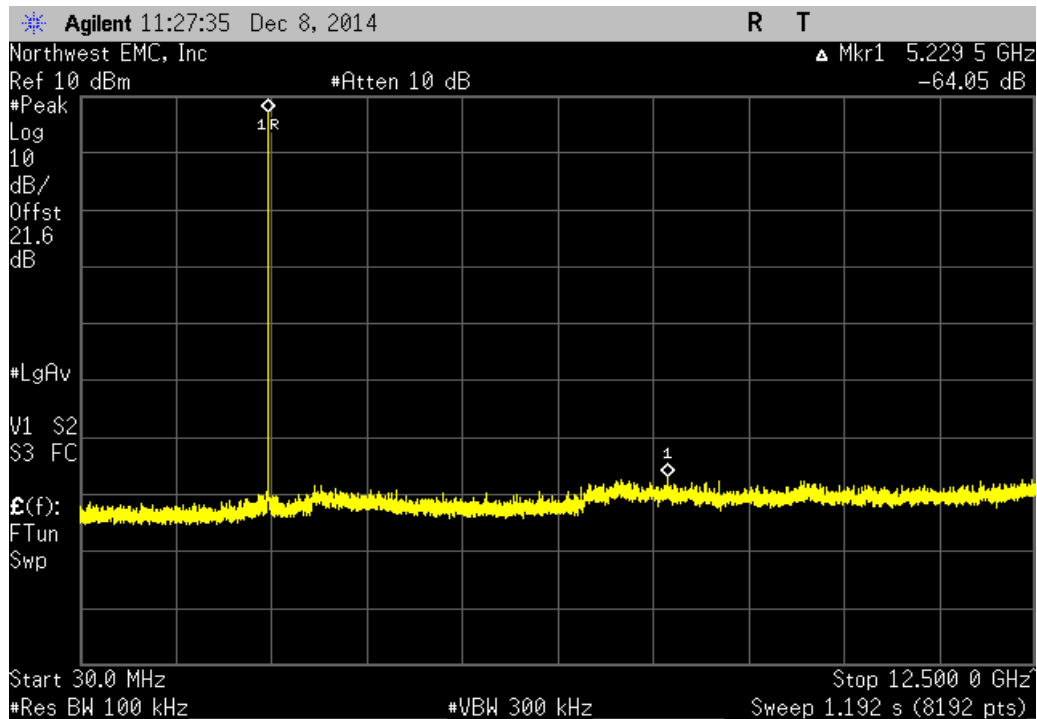
| No-Hop Mode, DH5, GFSK, Mid Channel, 2440 MHz |             |               |        |  |
|-----------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                               | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                             | -64.06      | -20           | Pass   |  |



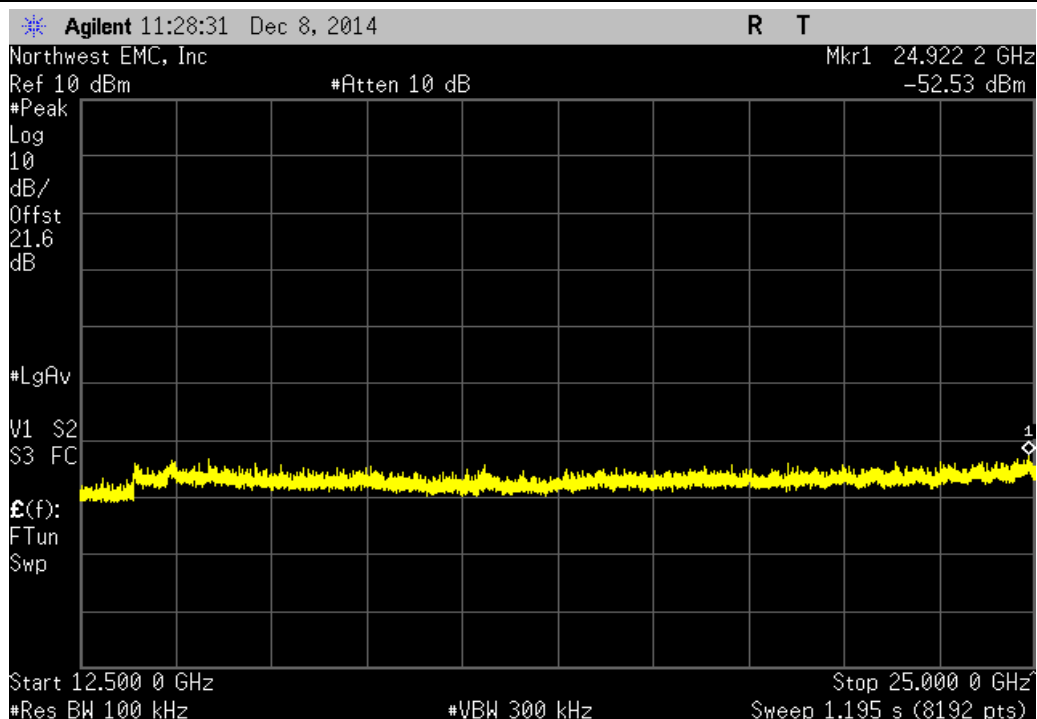
| No-Hop Mode, DH5, GFSK, Mid Channel, 2440 MHz |             |               |        |  |
|-----------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                               | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                             | -59.71      | -20           | Pass   |  |



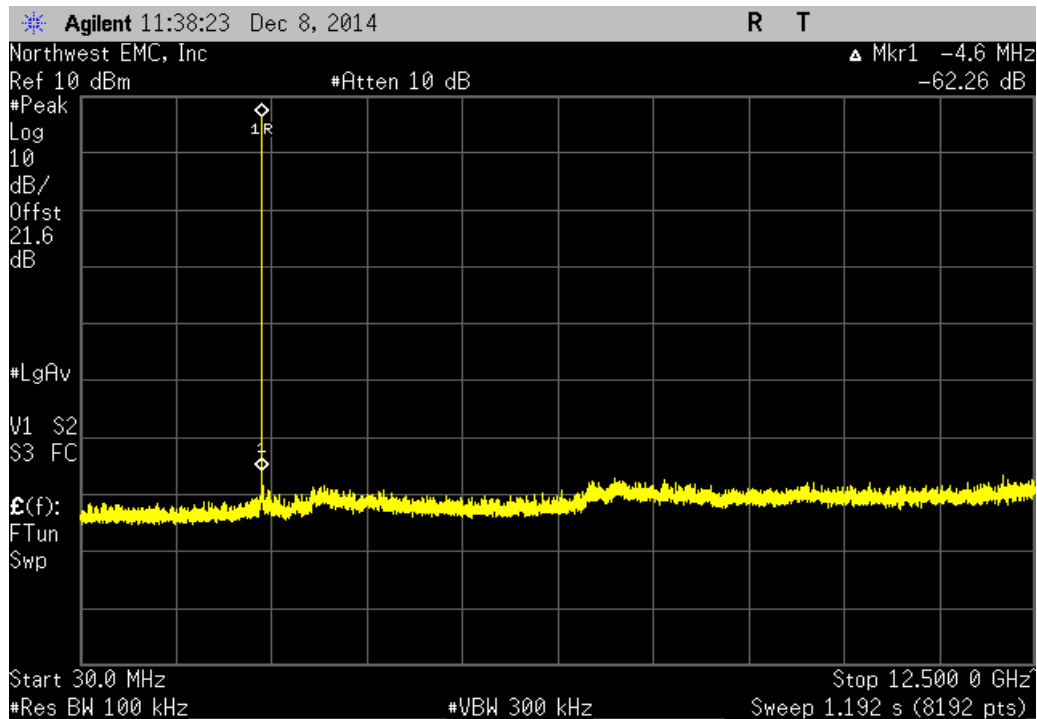
| No-Hop Mode, DH5, GFSK, High Channel, 2480 MHz |             |               |        |  |
|------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                              | -64.05      | -20           | Pass   |  |



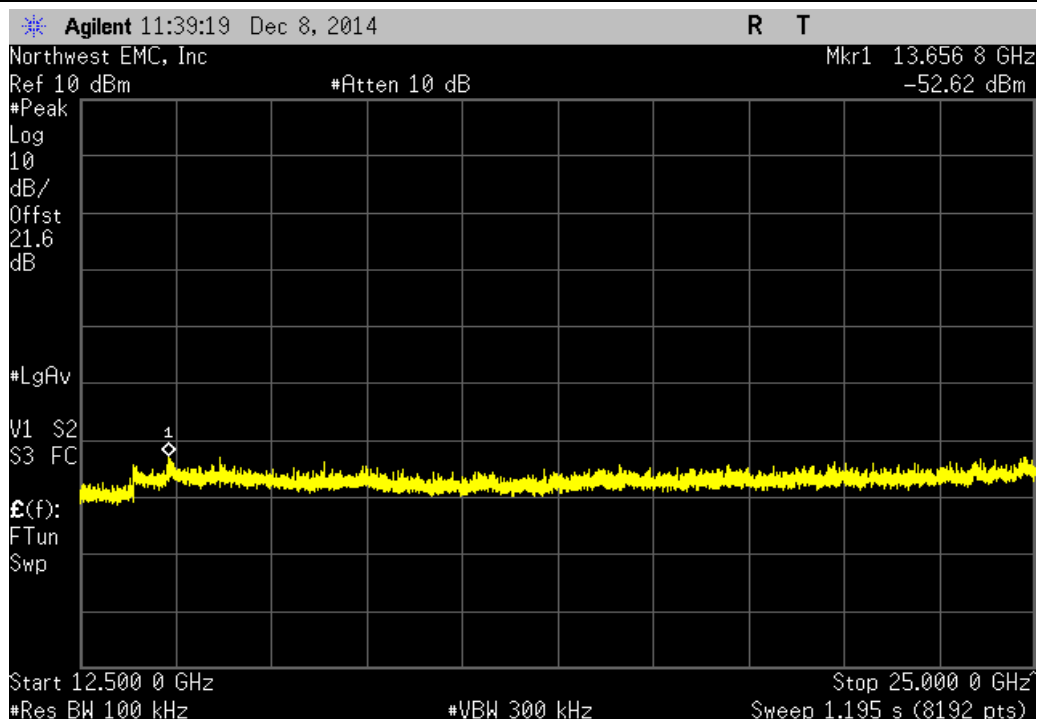
| No-Hop Mode, DH5, GFSK, High Channel, 2480 MHz |             |               |        |  |
|------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                              | -59.68      | -20           | Pass   |  |

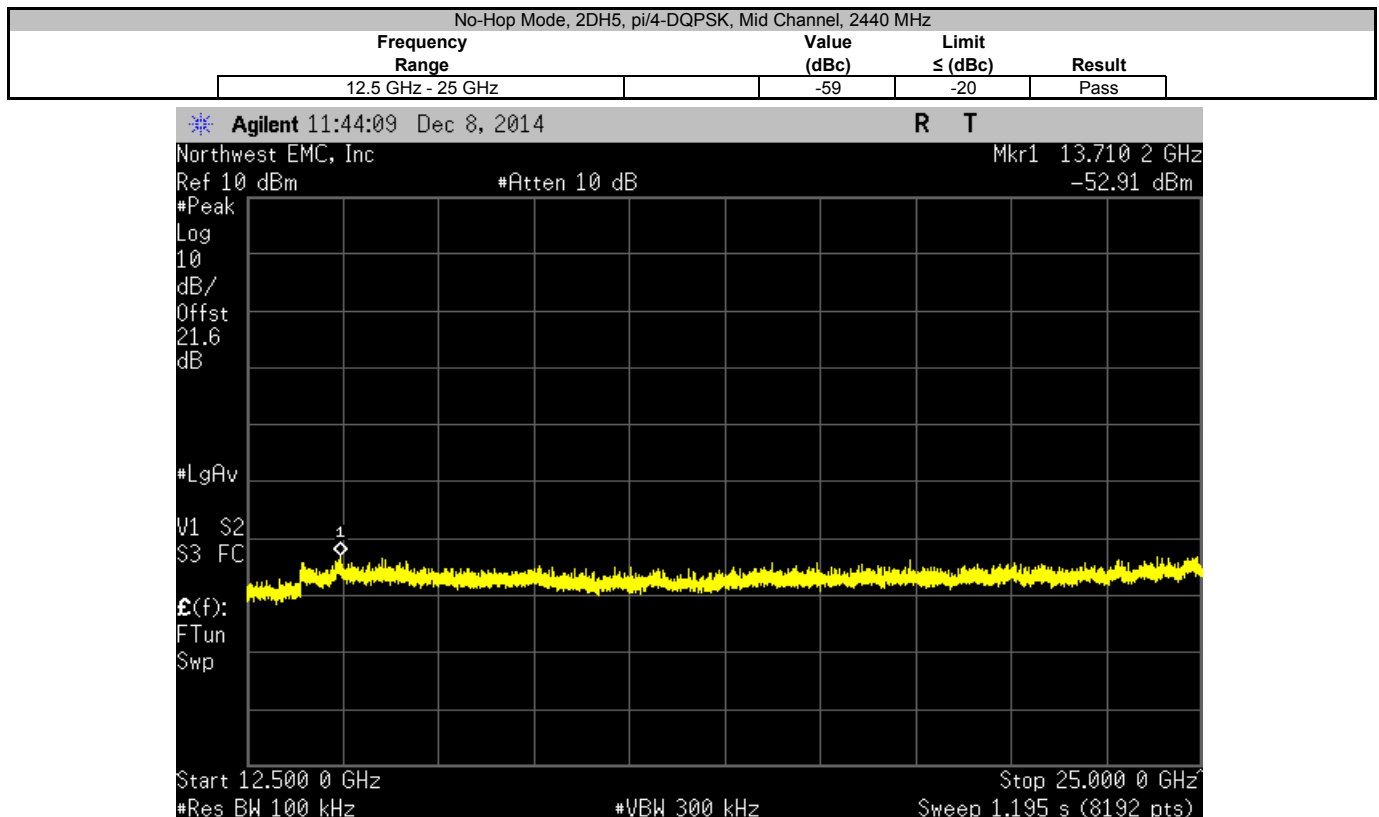
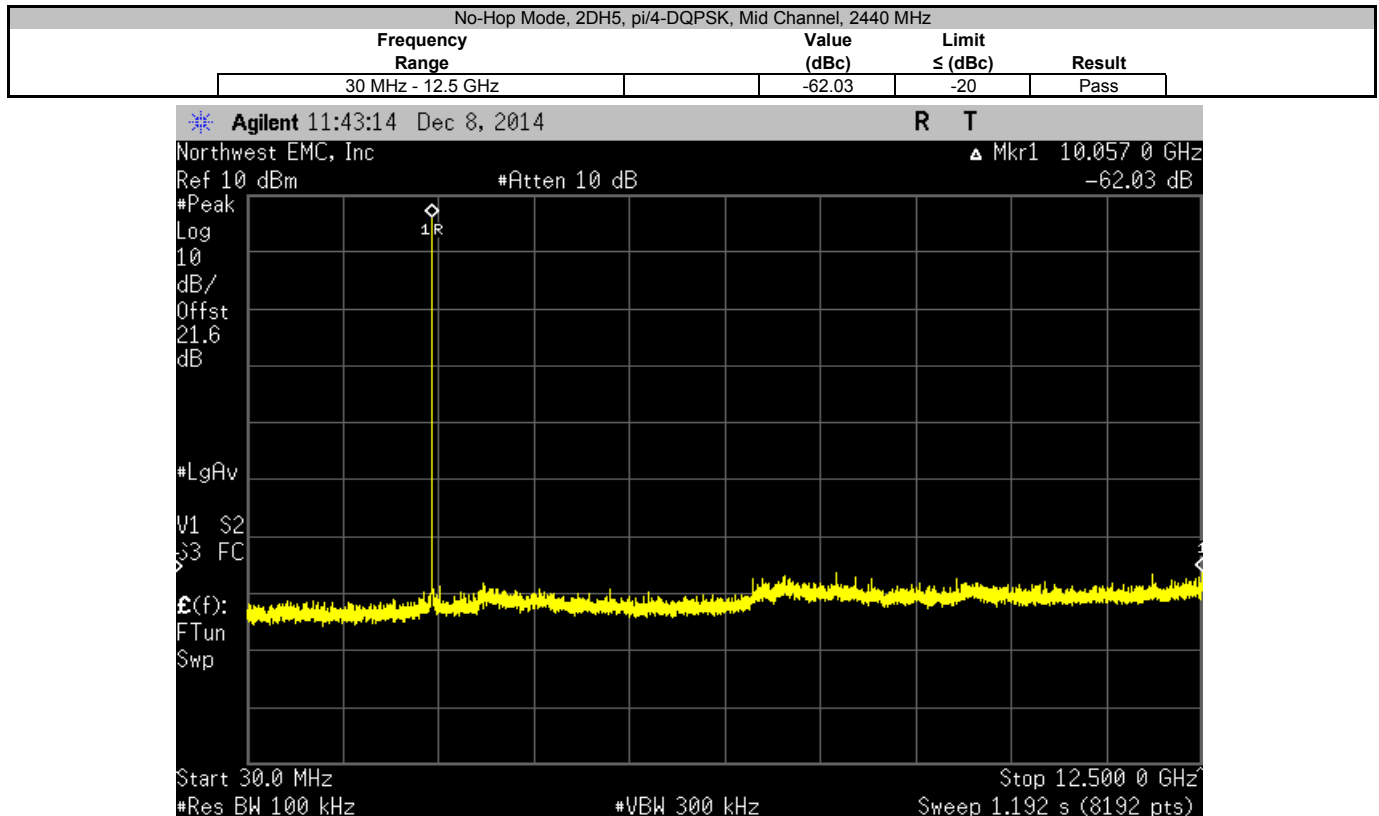


| No-Hop Mode, 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz |             |               |        |  |
|------------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                      | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                    | -62.26      | -20           | Pass   |  |

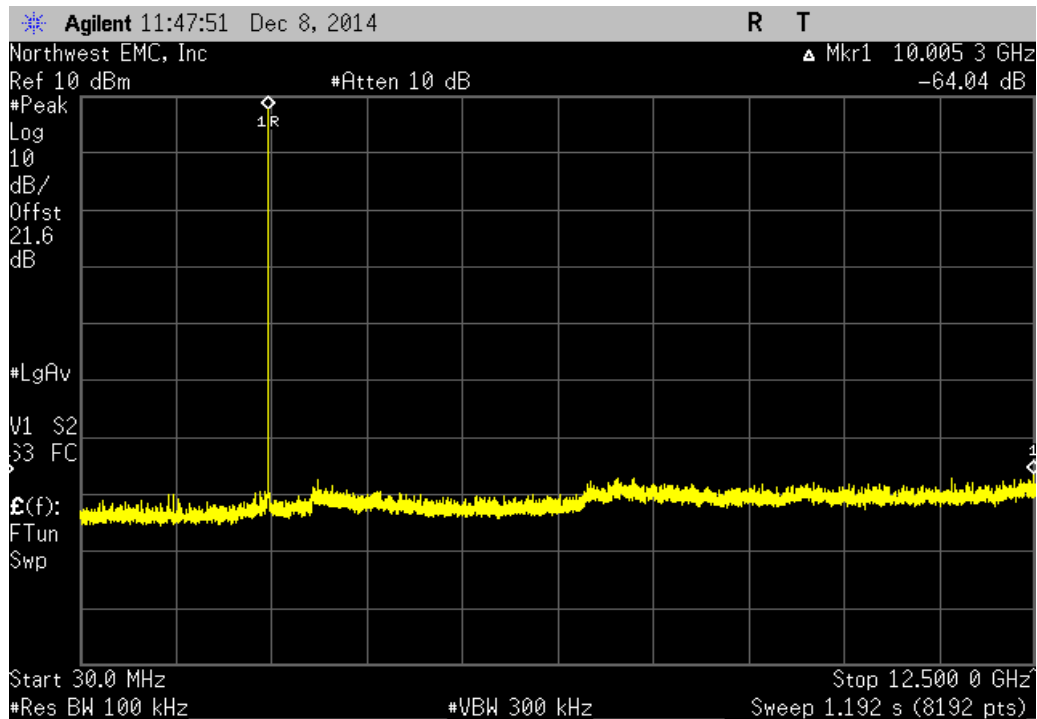


| No-Hop Mode, 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz |             |               |        |  |
|------------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                      | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                    | -59.09      | -20           | Pass   |  |

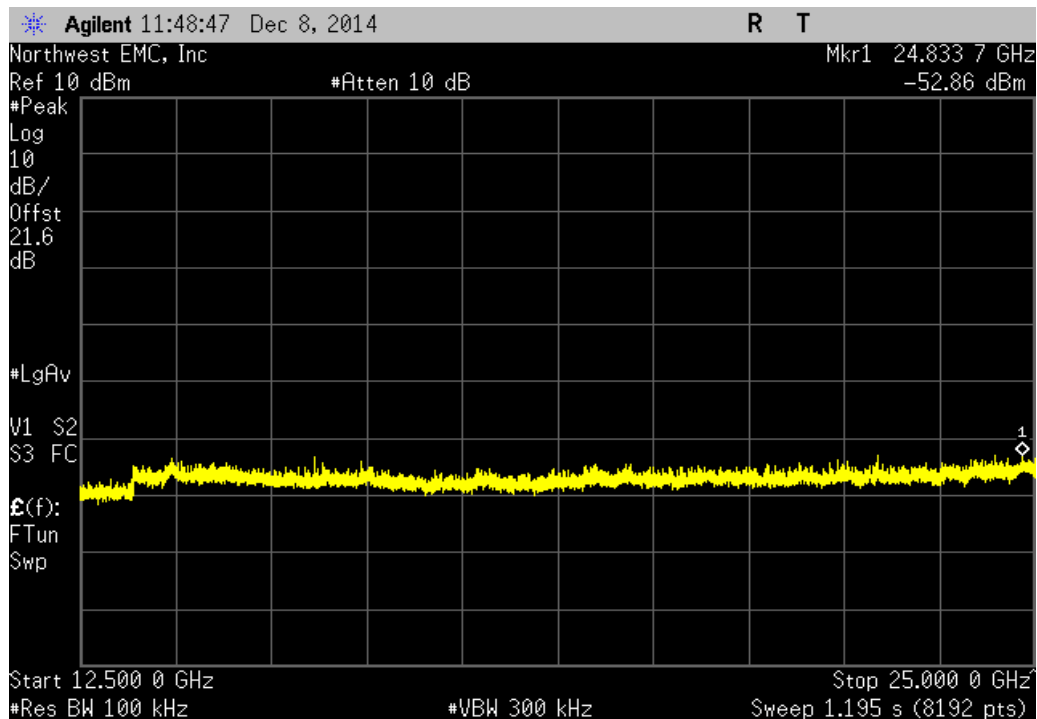




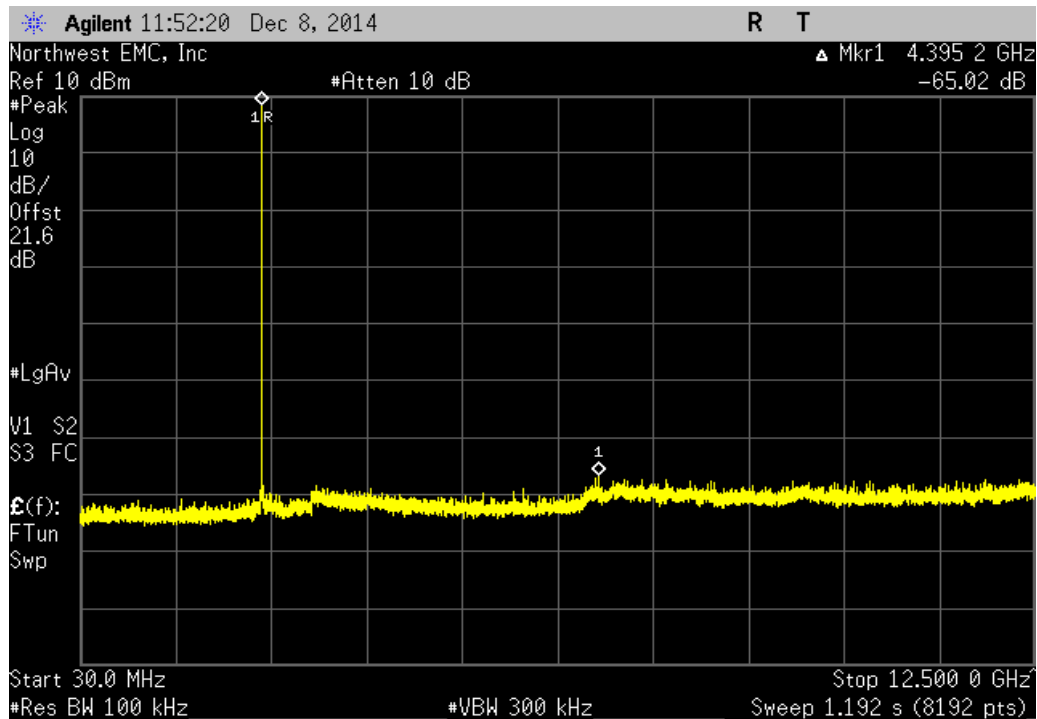
| No-Hop Mode, 2DH5, pi/4-DQPSK, High Channel, 2480 MHz |             |               |        |  |
|-------------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                       | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                     | -64.04      | -20           | Pass   |  |



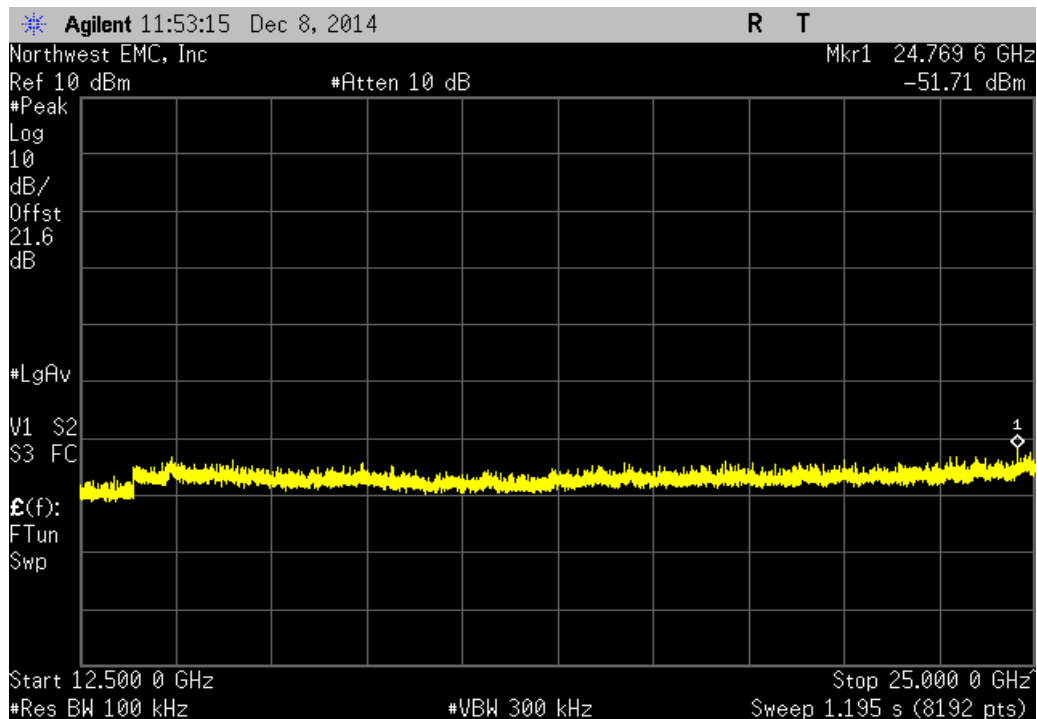
| No-Hop Mode, 2DH5, pi/4-DQPSK, High Channel, 2480 MHz |             |               |        |  |
|-------------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                       | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                     | -60.46      | -20           | Pass   |  |



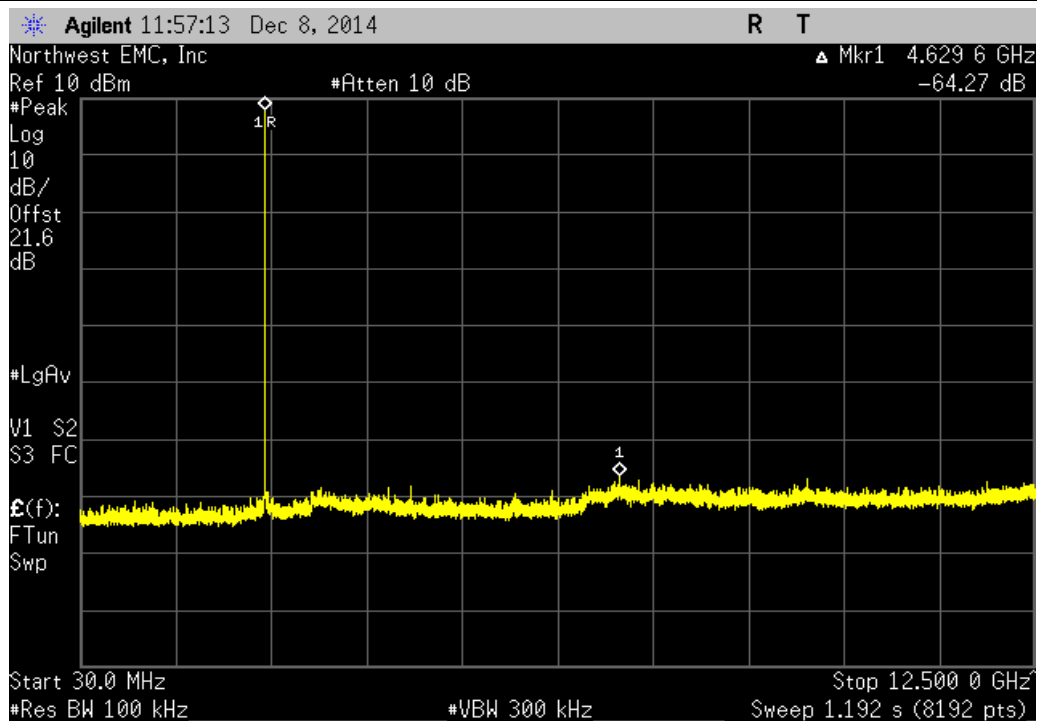
| No-Hop Mode, 3DH5, 8-DPSK, Low Channel, 2402 MHz |             |               |        |  |
|--------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                  | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                | -65.02      | -20           | Pass   |  |



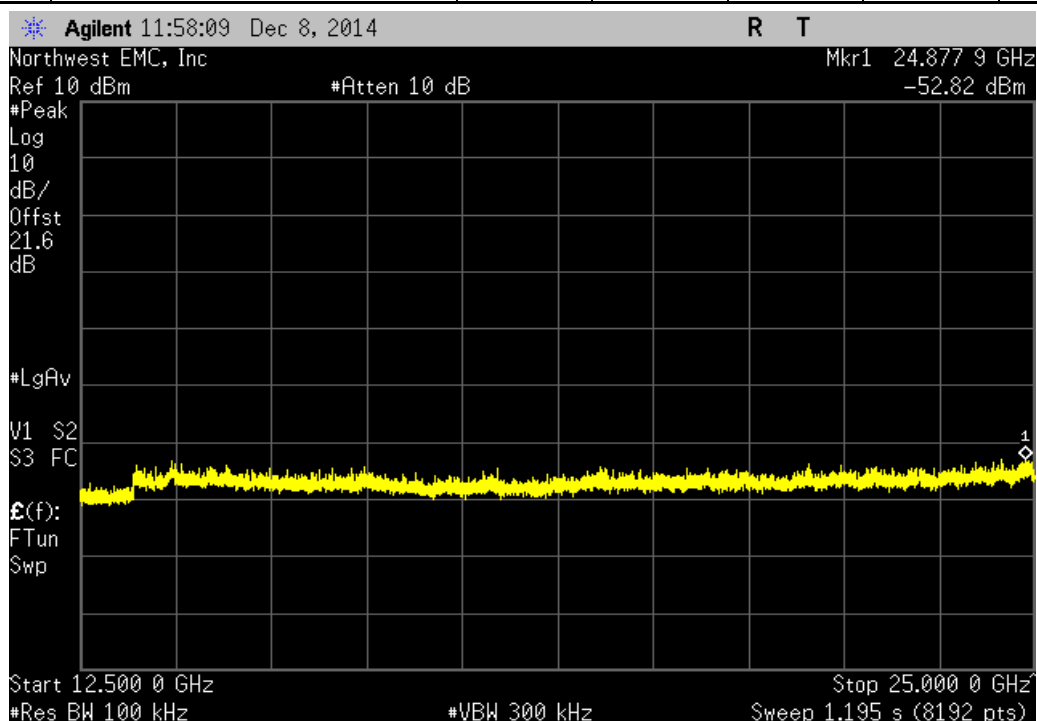
| No-Hop Mode, 3DH5, 8-DPSK, Low Channel, 2402 MHz |             |               |        |  |
|--------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                  | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                | -60.07      | -20           | Pass   |  |



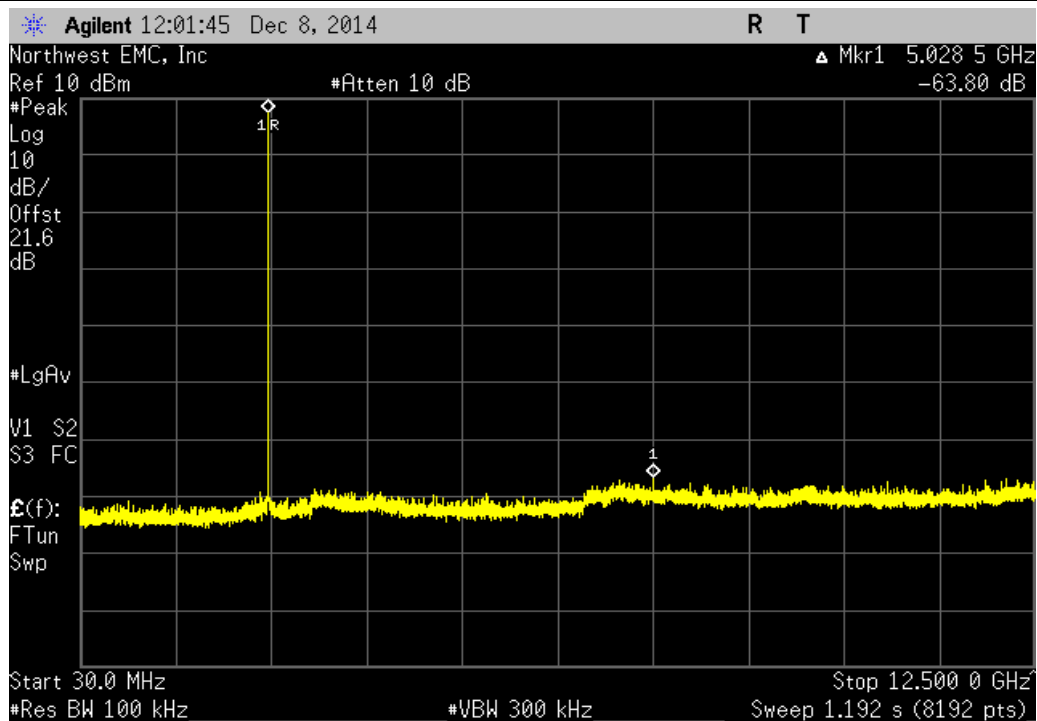
| No-Hop Mode, 3DH5, 8-DPSK, Mid Channel, 2440 MHz |             |               |        |  |
|--------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                  | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                | -64.27      | -20           | Pass   |  |



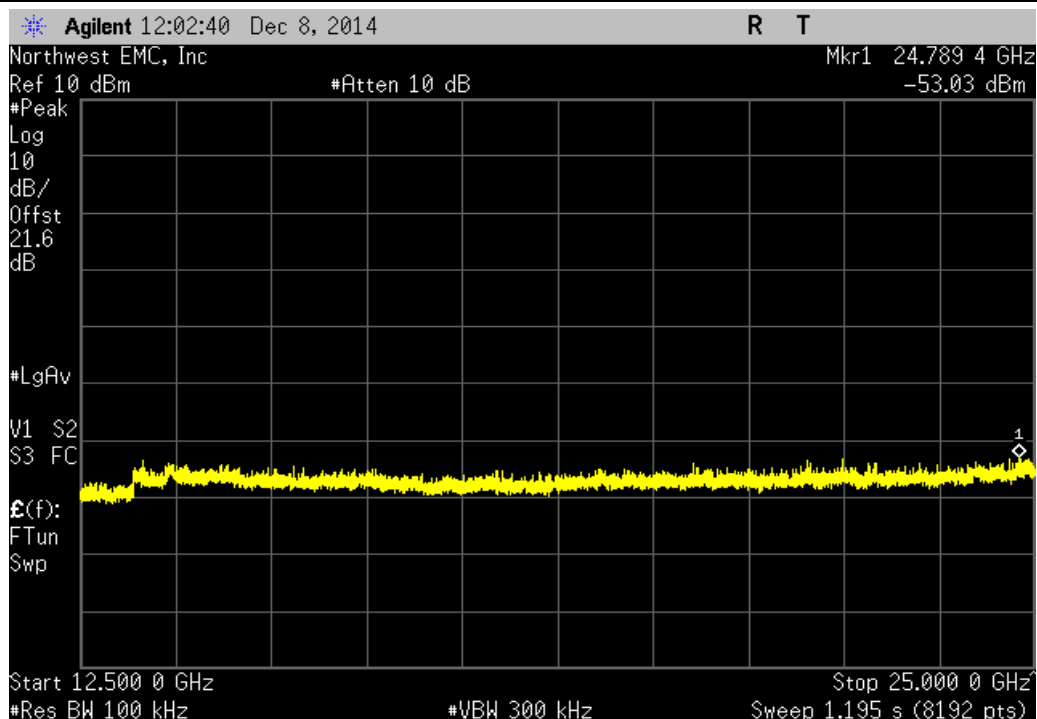
| No-Hop Mode, 3DH5, 8-DPSK, Mid Channel, 2440 MHz |             |               |        |  |
|--------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                  | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                | -60.65      | -20           | Pass   |  |



| No-Hop Mode, 3DH5, 8-DPSK, High Channel, 2480 MHz |             |               |        |  |
|---------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                   | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 30 MHz - 12.5 GHz                                 | -63.8       | -20           | Pass   |  |



| No-Hop Mode, 3DH5, 8-DPSK, High Channel, 2480 MHz |             |               |        |  |
|---------------------------------------------------|-------------|---------------|--------|--|
| Frequency Range                                   | Value (dBc) | Limit ≤ (dBc) | Result |  |
| 12.5 GHz - 25 GHz                                 | -60.33      | -20           | Pass   |  |



## OCCUPIED BANDWIDTH

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

### TEST EQUIPMENT

| Description                 | Manufacturer       | Model           | ID  | Last Cal. | Interval (mos) |
|-----------------------------|--------------------|-----------------|-----|-----------|----------------|
| MN08 Direct Connect Cable   | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 10/2/2014 | 12             |
| Attenuator - 20db, 'SMA'    | SM Electronics     | SA26B-20        | RFW | 4/3/2014  | 12             |
| 40 GHz DC Block             | Fairview Microwave | SD3379          | AMI | 10/2/2014 | 12             |
| MXG Vector Signal Generator | Agilent            | N5182A          | TIF | 8/12/2014 | 36             |
| Spectrum Analyzer           | Agilent            | E4440A          | AAX | 4/28/2014 | 12             |

### TEST DESCRIPTION

The occupied bandwidth was measured with the EUT set to low, medium and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the data rate(s) listed in the datasheet in a no-hop mode.

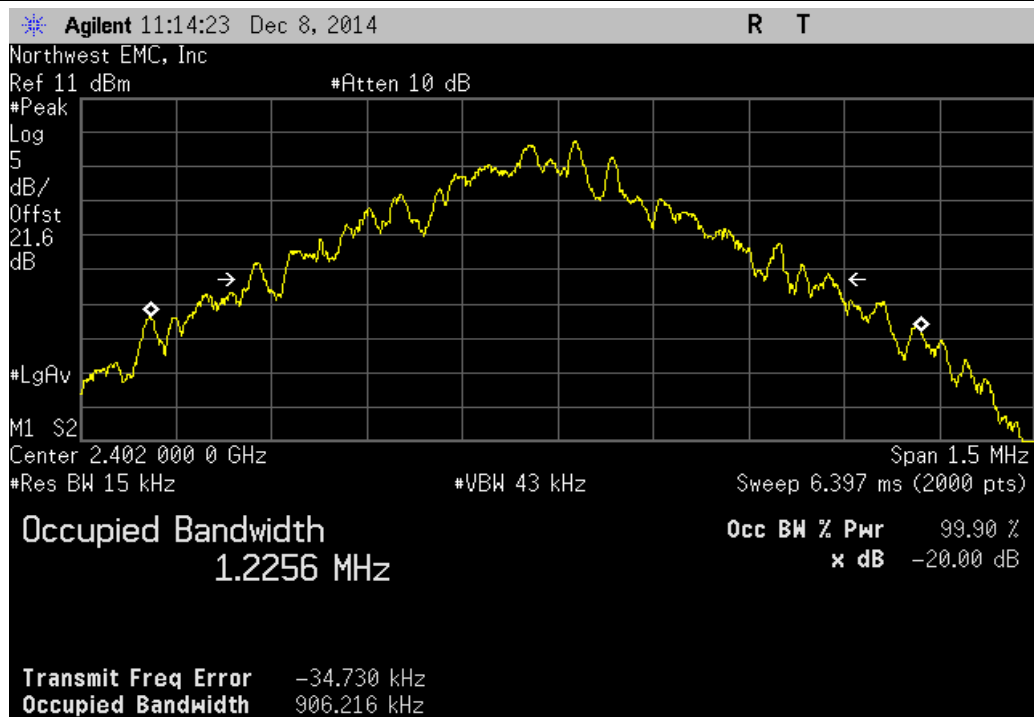


# OCCUPIED BANDWIDTH

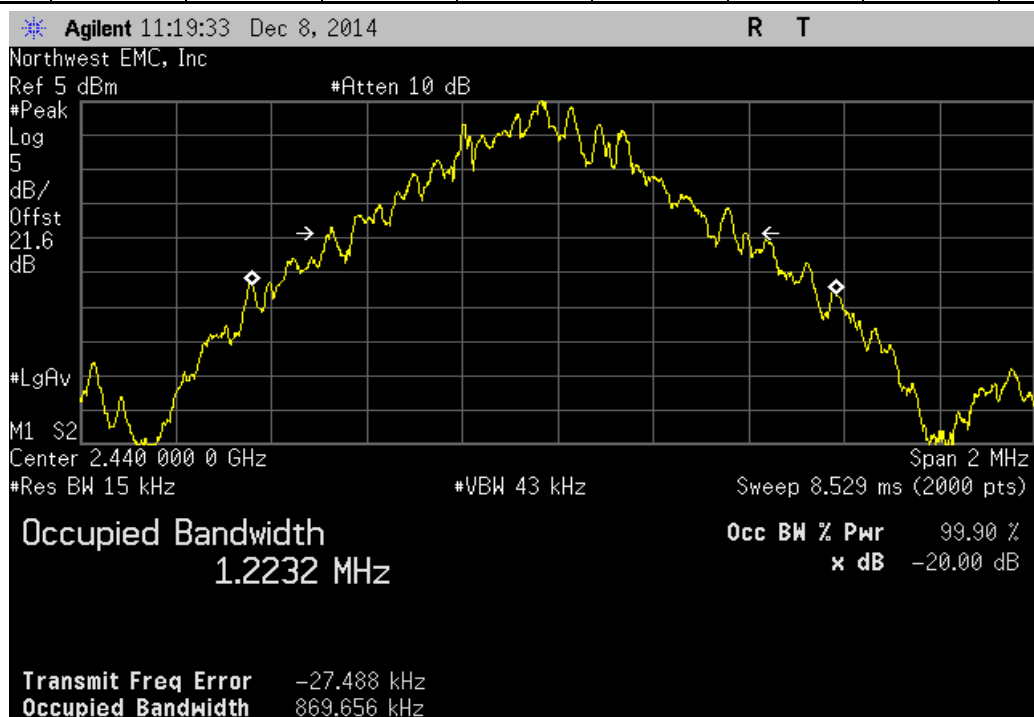
XMit 2014.02.07  
NweTx 2014.11.06

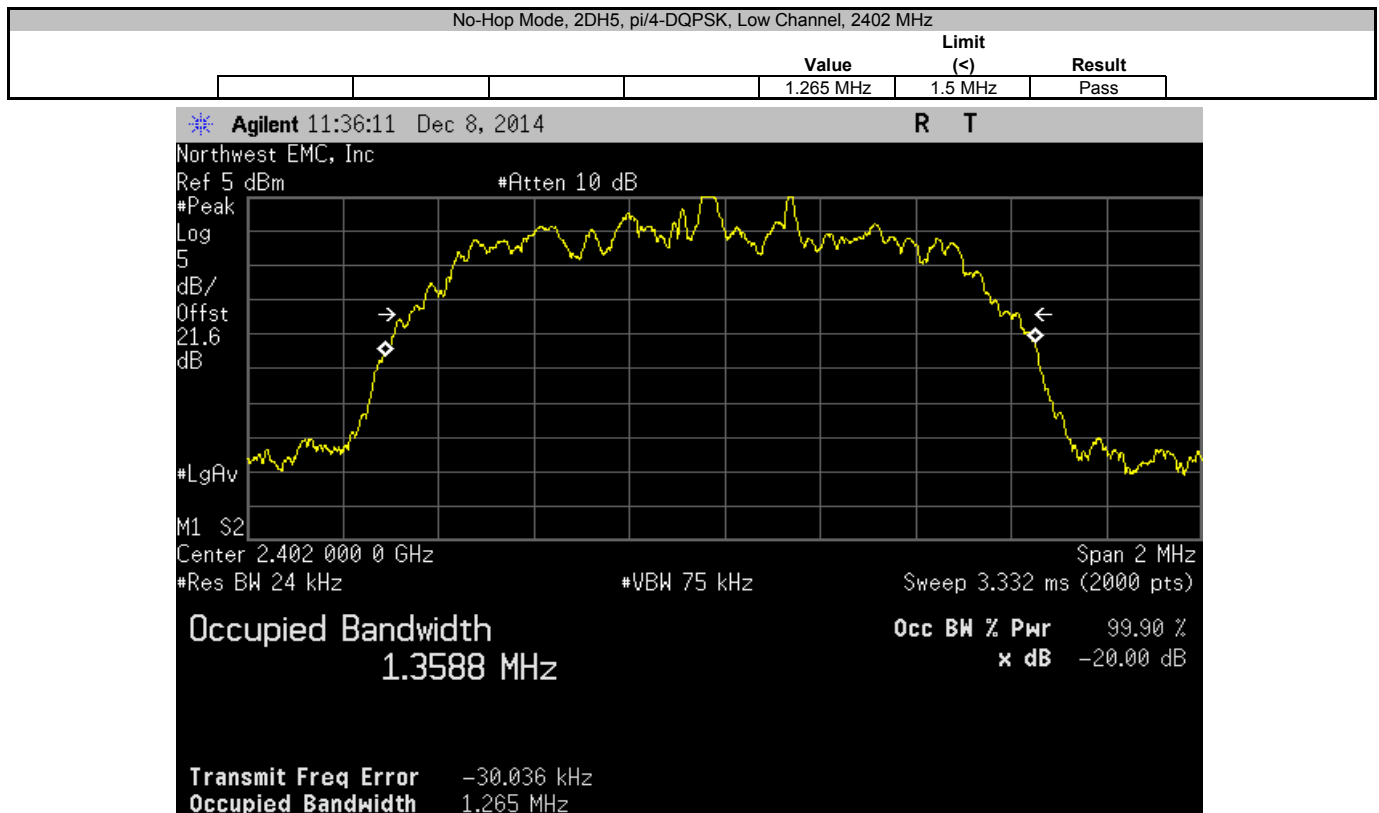
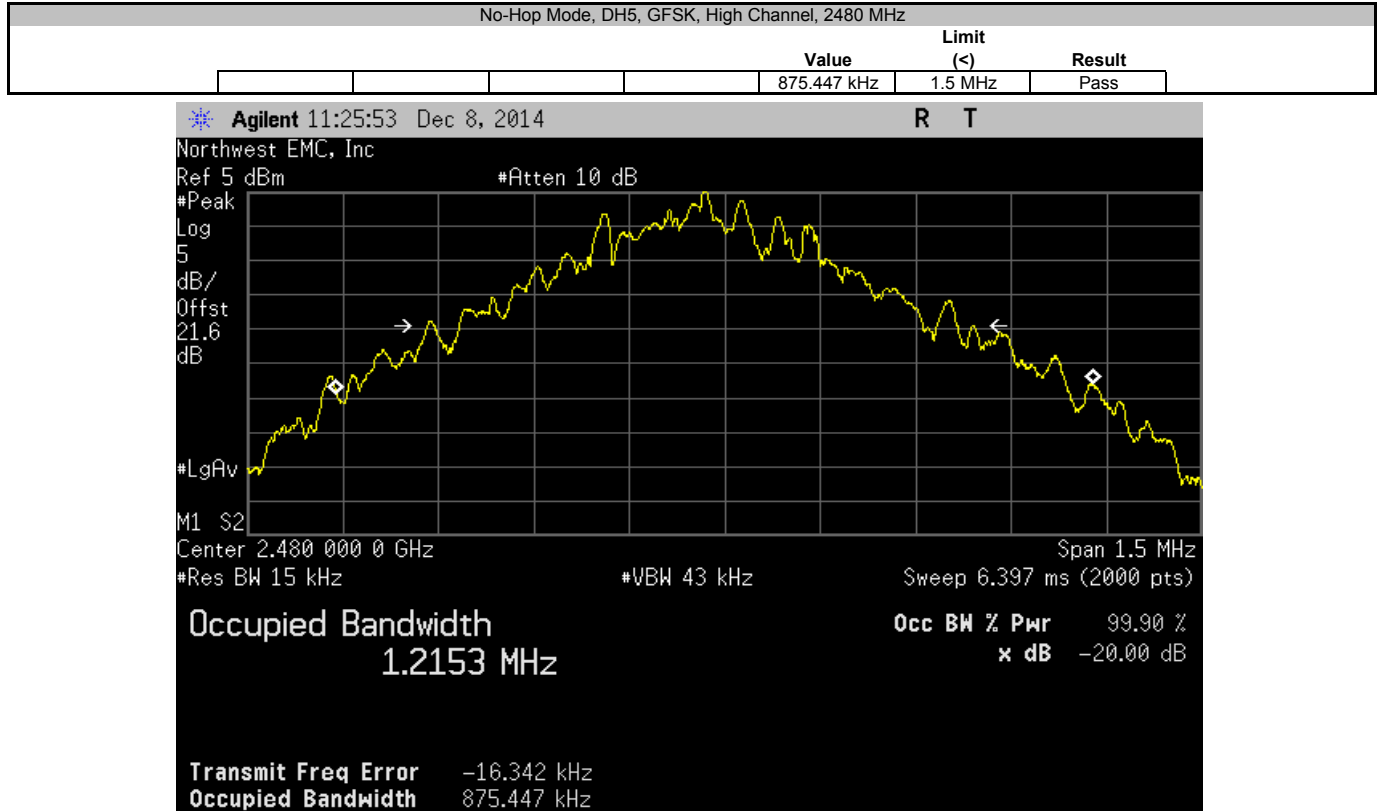
|                                       |   |                              |           |
|---------------------------------------|---|------------------------------|-----------|
| EUT: ConnectCore i.MX6 WiFi/Bluetooth |   | Work Order: ETHE0018         |           |
| Serial Number: 00409D 7C03D2          |   | Date: 12/08/14               |           |
| Customer: Etherios Design Solutions   |   | Temperature: 22°C            |           |
| Attendees: None                       |   | Humidity: 22%                |           |
| Project: None                         |   | Barometric Pres.: 1019.6     |           |
| Tested by: Trevor Buls                |   | Power: 5VDC                  |           |
|                                       |   | Job Site: MN08               |           |
| TEST SPECIFICATIONS                   |   | Test Method                  |           |
| FCC 15.247:2015                       |   | ANSI C63.10:2009             |           |
| COMMENTS                              |   |                              |           |
| None                                  |   |                              |           |
| DEVIATIONS FROM TEST STANDARD         |   |                              |           |
| None                                  |   |                              |           |
| Configuration #                       | 1 | Signature <i>Trevor Buls</i> |           |
|                                       |   | Value                        | Limit (<) |
| No-Hop Mode                           |   |                              |           |
| DH5, GFSK                             |   |                              |           |
| Low Channel, 2402 MHz                 |   | 906.216 kHz                  | 1.5 MHz   |
| Mid Channel, 2440 MHz                 |   | 869.656 kHz                  | 1.5 MHz   |
| High Channel, 2480 MHz                |   | 875.447 kHz                  | 1.5 MHz   |
| 2DH5, pi/4-DQPSK                      |   |                              |           |
| Low Channel, 2402 MHz                 |   | 1.265 MHz                    | 1.5 MHz   |
| Mid Channel, 2440 MHz                 |   | 1.351 MHz                    | 1.5 MHz   |
| High Channel, 2480 MHz                |   | 1.261 MHz                    | 1.5 MHz   |
| 3DH5, 8-DPSK                          |   |                              |           |
| Low Channel, 2402 MHz                 |   | 1.263 MHz                    | 1.5 MHz   |
| Mid Channel, 2440 MHz                 |   | 1.26 MHz                     | 1.5 MHz   |
| High Channel, 2480 MHz                |   | 1.255 MHz                    | 1.5 MHz   |
|                                       |   |                              | Result    |
|                                       |   |                              | Pass      |
|                                       |   |                              | Pass      |
|                                       |   |                              | Pass      |
|                                       |   |                              | Pass      |
|                                       |   |                              | Pass      |
|                                       |   |                              | Pass      |
|                                       |   |                              | Pass      |
|                                       |   |                              | Pass      |

| No-Hop Mode, DH5, GFSK, Low Channel, 2402 MHz |  |  |  |             |           |        |
|-----------------------------------------------|--|--|--|-------------|-----------|--------|
|                                               |  |  |  | Value       | Limit (<) | Result |
|                                               |  |  |  | 906.216 kHz | 1.5 MHz   | Pass   |

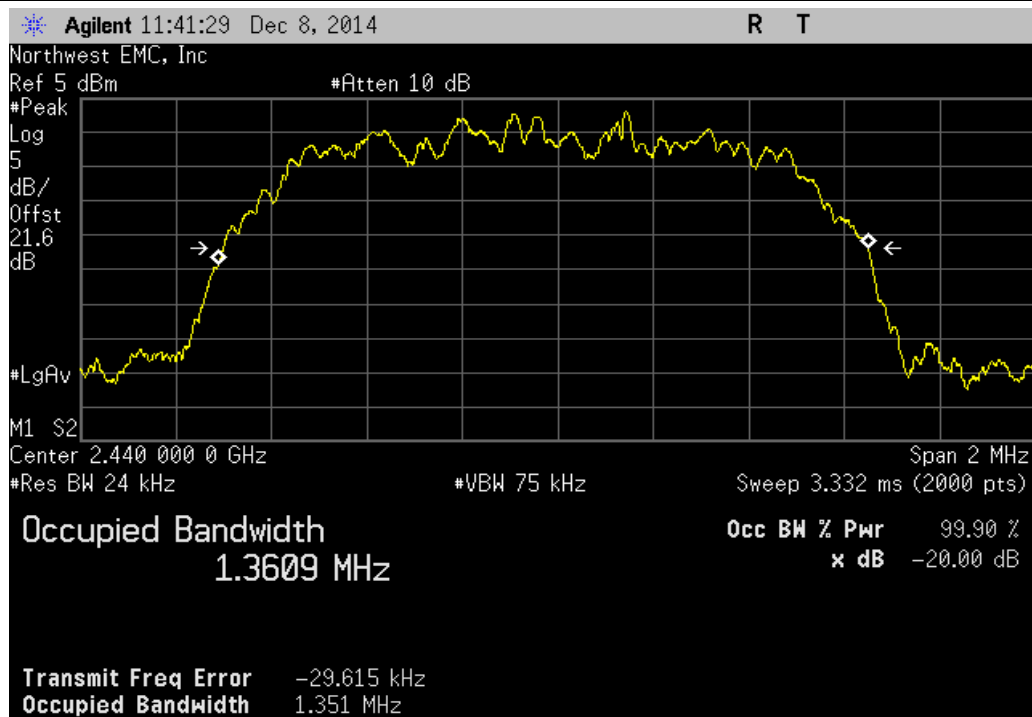


| No-Hop Mode, DH5, GFSK, Mid Channel, 2440 MHz |  |  |  |             |           |        |
|-----------------------------------------------|--|--|--|-------------|-----------|--------|
|                                               |  |  |  | Value       | Limit (<) | Result |
|                                               |  |  |  | 869.656 kHz | 1.5 MHz   | Pass   |

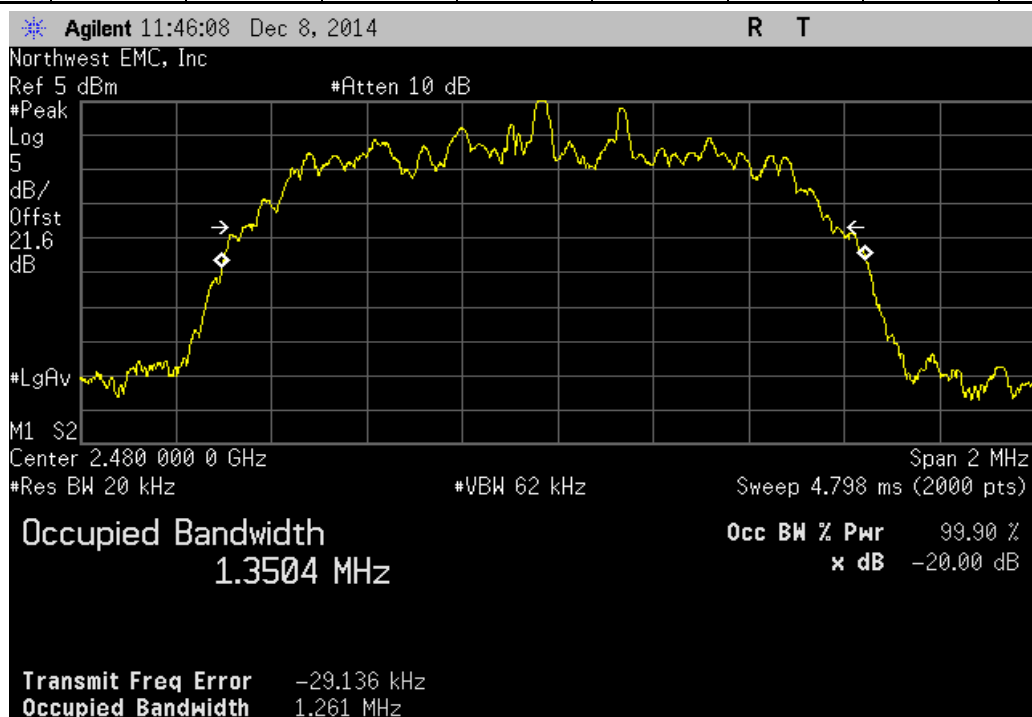


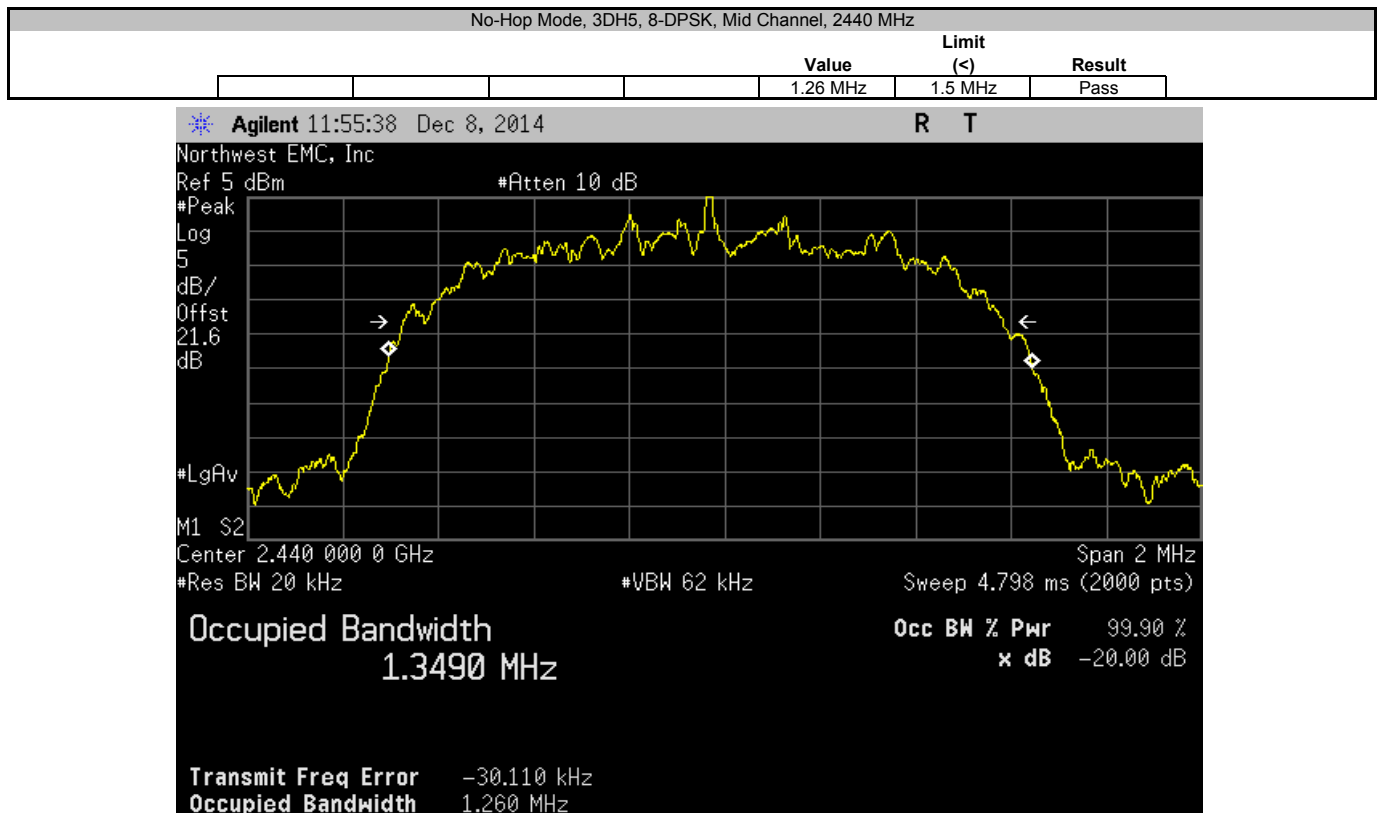
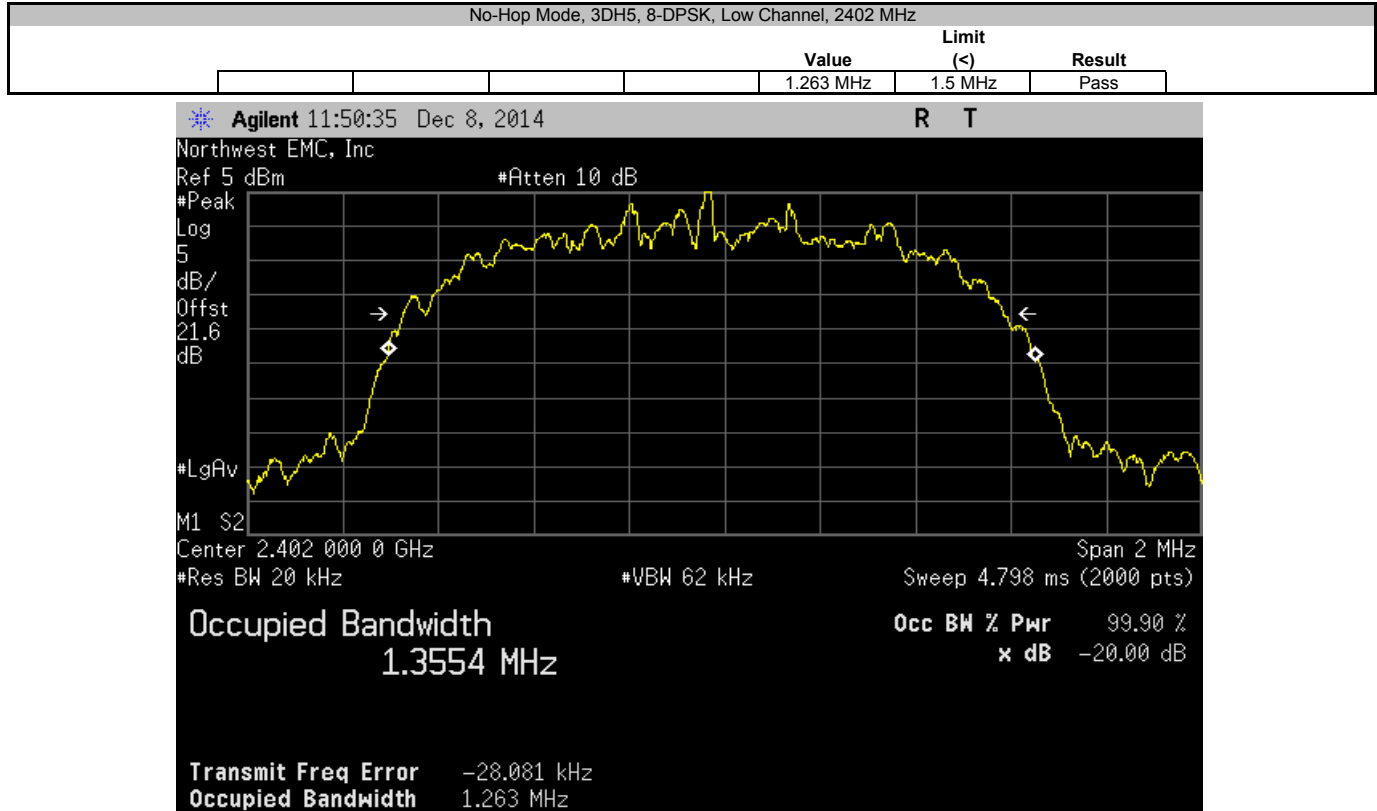


| No-Hop Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2440 MHz |  |  |  |           |              |        |
|------------------------------------------------------|--|--|--|-----------|--------------|--------|
|                                                      |  |  |  | Value     | Limit<br>(<) | Result |
|                                                      |  |  |  | 1.351 MHz | 1.5 MHz      | Pass   |

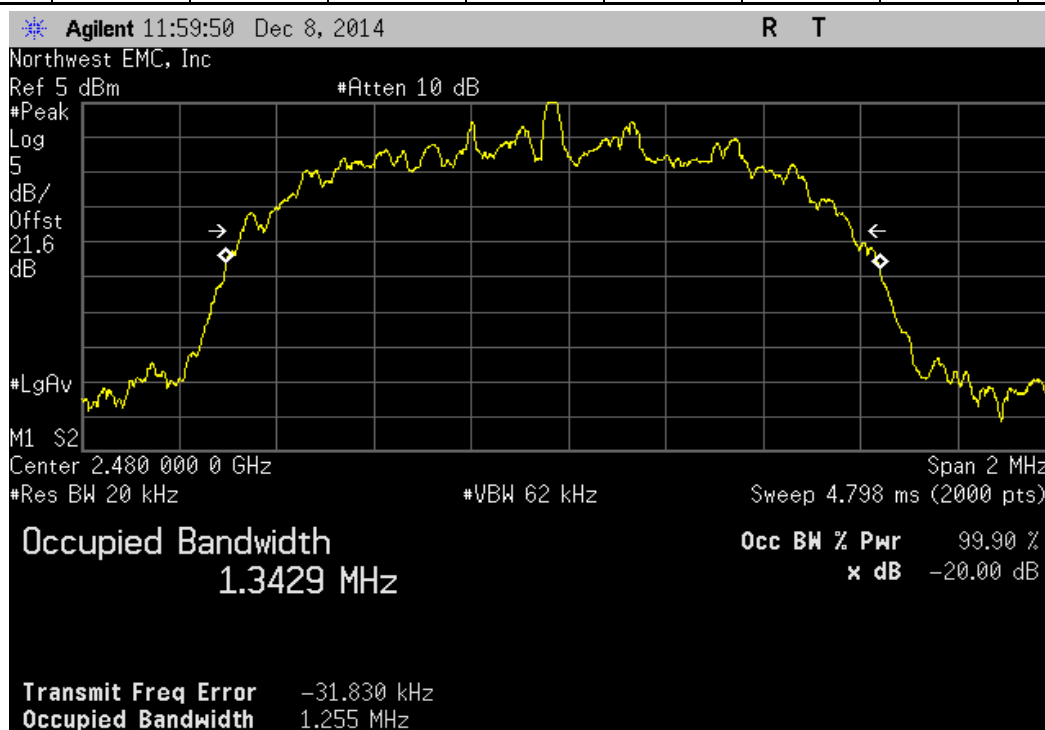


| No-Hop Mode, 2DH5, pi/4-DQPSK, High Channel, 2480 MHz |  |  |  |           |              |        |
|-------------------------------------------------------|--|--|--|-----------|--------------|--------|
|                                                       |  |  |  | Value     | Limit<br>(<) | Result |
|                                                       |  |  |  | 1.261 MHz | 1.5 MHz      | Pass   |





| No-Hop Mode, 3DH5, 8-DPSK, High Channel, 2480 MHz |  |  |  |           |              |        |
|---------------------------------------------------|--|--|--|-----------|--------------|--------|
|                                                   |  |  |  | Value     | Limit<br>(<) | Result |
|                                                   |  |  |  | 1.255 MHz | 1.5 MHz      | Pass   |



## OUTPUT POWER

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

### TEST EQUIPMENT

| Description                 | Manufacturer       | Model           | ID  | Last Cal. | Interval (mos) |
|-----------------------------|--------------------|-----------------|-----|-----------|----------------|
| MN08 Direct Connect Cable   | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 10/2/2014 | 12             |
| Attenuator - 20db, 'SMA'    | SM Electronics     | SA26B-20        | RFW | 4/3/2014  | 12             |
| 40 GHz DC Block             | Fairview Microwave | SD3379          | AMI | 10/2/2014 | 12             |
| MXG Vector Signal Generator | Agilent            | N5182A          | TIF | 8/12/2014 | 36             |
| Spectrum Analyzer           | Agilent            | E4440A          | AAX | 4/28/2014 | 12             |

### TEST DESCRIPTION

The peak output power was measured with the EUT set to low, medium and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and a spectrum analyzer. The EUT was transmitting in a no hop mode at the data rate(s) listed in the datasheet.

**De Facto EIRP Limit:** Per 47 CFR 15.247 (b)(1-3), the EUT meets the de facto EIRP limit of +27dBm.

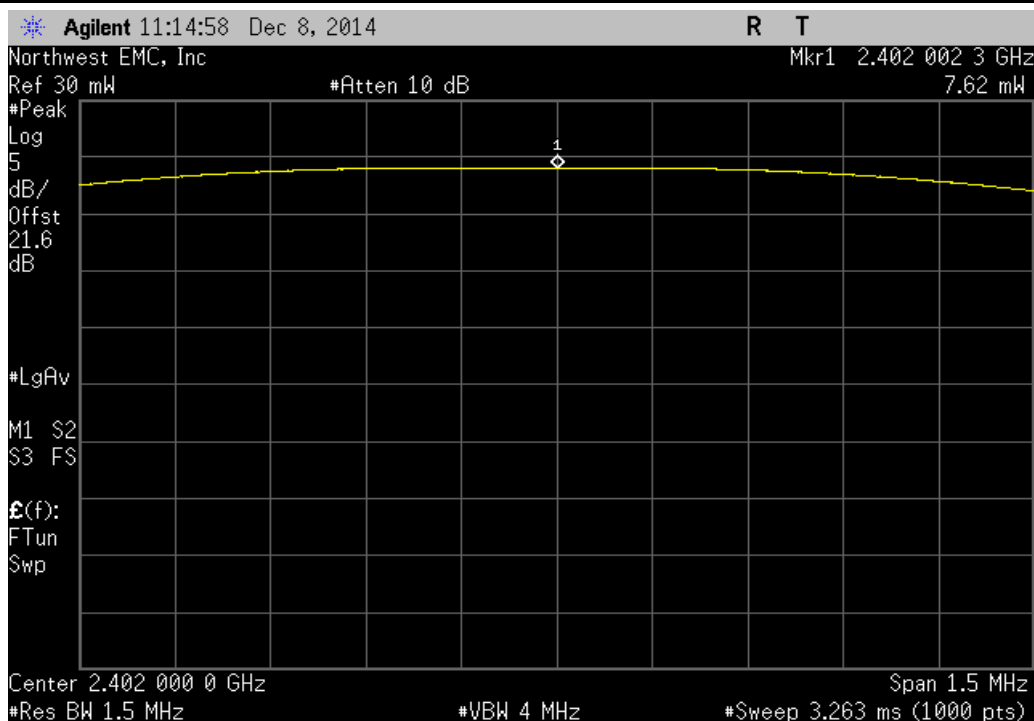


# OUTPUT POWER

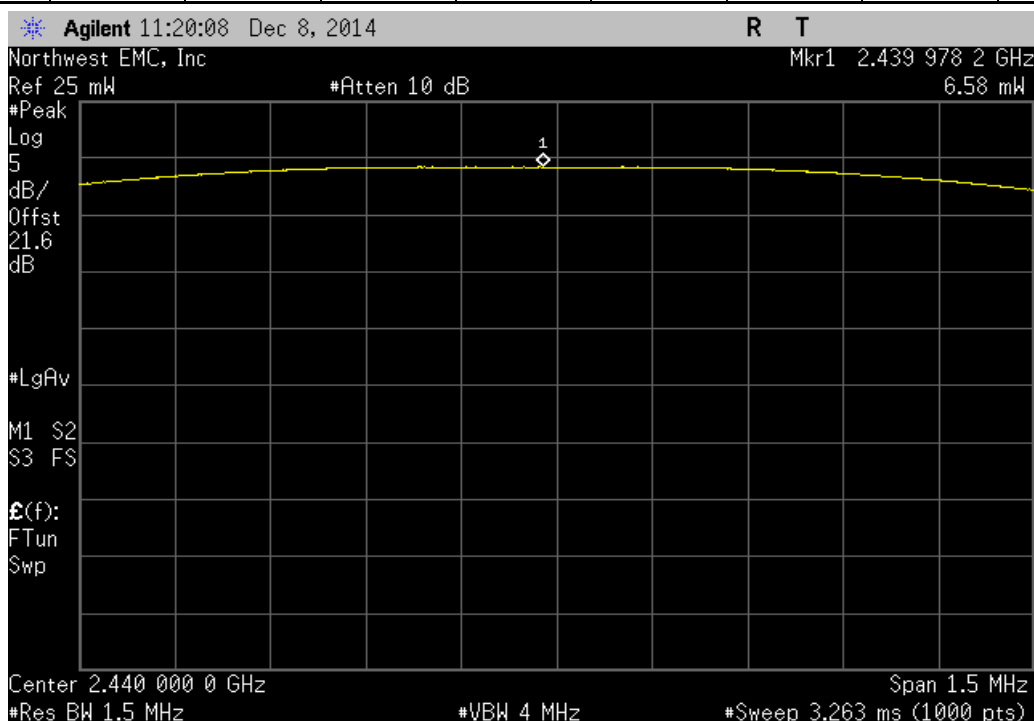
XMIT 2014.02.07  
NweTx 2014.11.06

|                                       |   |                              |             |
|---------------------------------------|---|------------------------------|-------------|
| EUT: ConnectCore i.MX6 WiFi/Bluetooth |   | Work Order: ETHE0018         |             |
| Serial Number: 00409D 7C03D2          |   | Date: 12/08/14               |             |
| Customer: Etherios Design Solutions   |   | Temperature: 22°C            |             |
| Attendees: None                       |   | Humidity: 22%                |             |
| Project: None                         |   | Barometric Pres.: 1019.6     |             |
| Tested by: Trevor Buls                |   | Power: 5VDC                  |             |
|                                       |   | Job Site: MN08               |             |
| TEST SPECIFICATIONS                   |   | Test Method                  |             |
| FCC 15.247:2015                       |   | ANSI C63.10:2009             |             |
| COMMENTS                              |   |                              |             |
| None                                  |   |                              |             |
| DEVIATIONS FROM TEST STANDARD         |   |                              |             |
| None                                  |   |                              |             |
| Configuration #                       | 1 | Signature <i>Trevor Buls</i> |             |
|                                       |   | Value                        | Limit (<)   |
| No-Hop Mode                           |   |                              | Result      |
| DH5, GFSK                             |   |                              |             |
| Low Channel, 2402 MHz                 |   | 7.621 mW                     | 125 mW Pass |
| Mid Channel, 2440 MHz                 |   | 6.584 mW                     | 125 mW Pass |
| High Channel, 2480 MHz                |   | 6.246 mW                     | 125 mW Pass |
| 2DH5, pi/4-DQPSK                      |   |                              |             |
| Low Channel, 2402 MHz                 |   | 12.34 mW                     | 125 mW Pass |
| Mid Channel, 2440 MHz                 |   | 10.882 mW                    | 125 mW Pass |
| High Channel, 2480 MHz                |   | 10.216 mW                    | 125 mW Pass |
| 3DH5, 8-DPSK                          |   |                              |             |
| Low Channel, 2402 MHz                 |   | 13.225 mW                    | 125 mW Pass |
| Mid Channel, 2440 MHz                 |   | 11.41 mW                     | 125 mW Pass |
| High Channel, 2480 MHz                |   | 10.681 mW                    | 125 mW Pass |

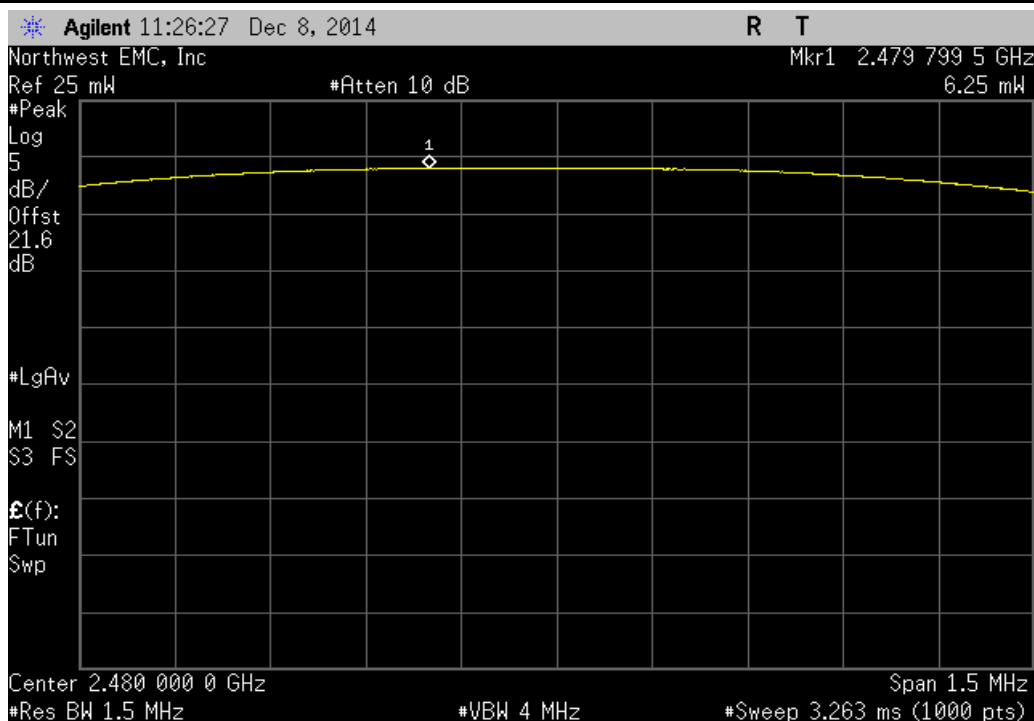
| No-Hop Mode, DH5, GFSK, Low Channel, 2402 MHz |  |  |  |          |           |        |
|-----------------------------------------------|--|--|--|----------|-----------|--------|
|                                               |  |  |  | Value    | Limit (<) | Result |
|                                               |  |  |  | 7.621 mW | 125 mW    | Pass   |



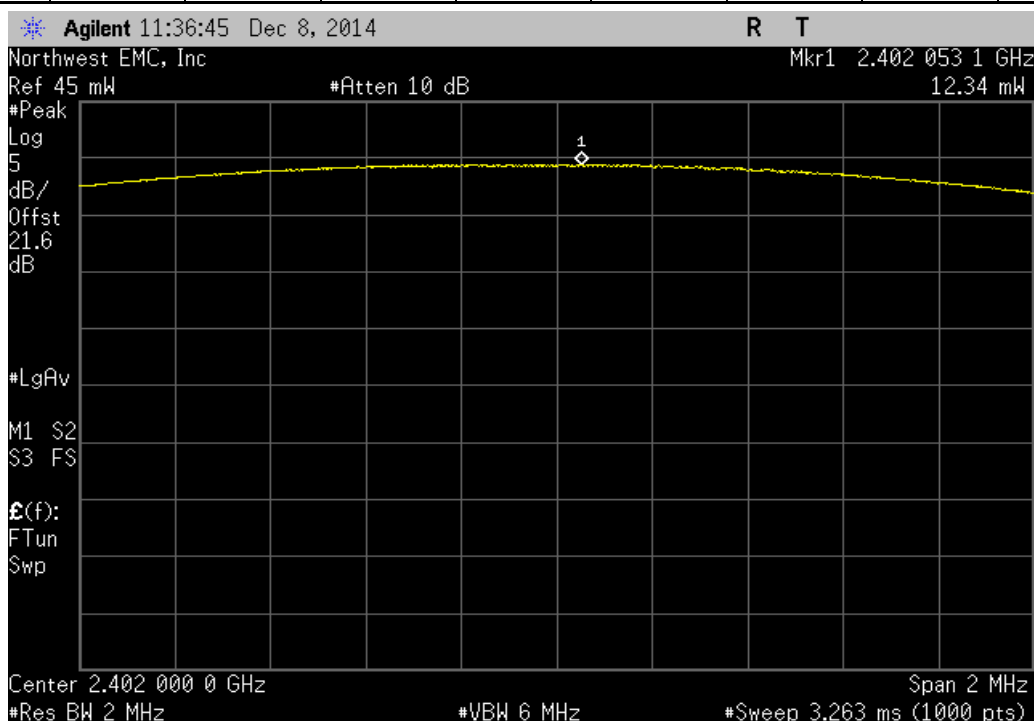
| No-Hop Mode, DH5, GFSK, Mid Channel, 2440 MHz |  |  |  |          |           |        |
|-----------------------------------------------|--|--|--|----------|-----------|--------|
|                                               |  |  |  | Value    | Limit (<) | Result |
|                                               |  |  |  | 6.584 mW | 125 mW    | Pass   |



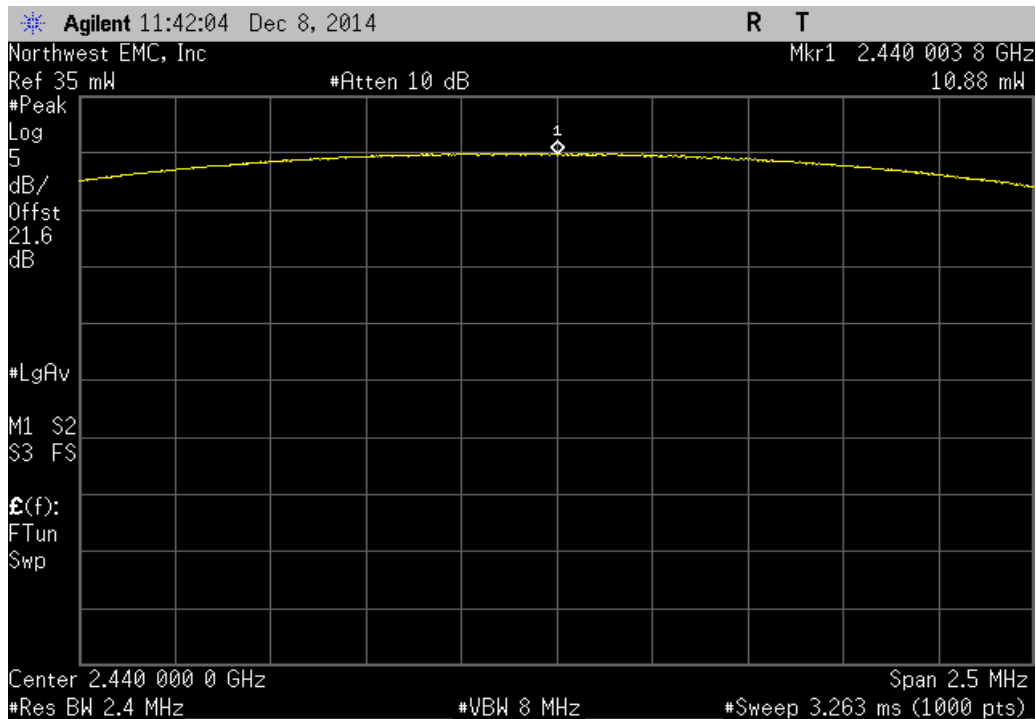
| No-Hop Mode, DH5, GFSK, High Channel, 2480 MHz |  |  |  |          |           |        |
|------------------------------------------------|--|--|--|----------|-----------|--------|
|                                                |  |  |  | Value    | Limit (<) | Result |
|                                                |  |  |  | 6.246 mW | 125 mW    | Pass   |



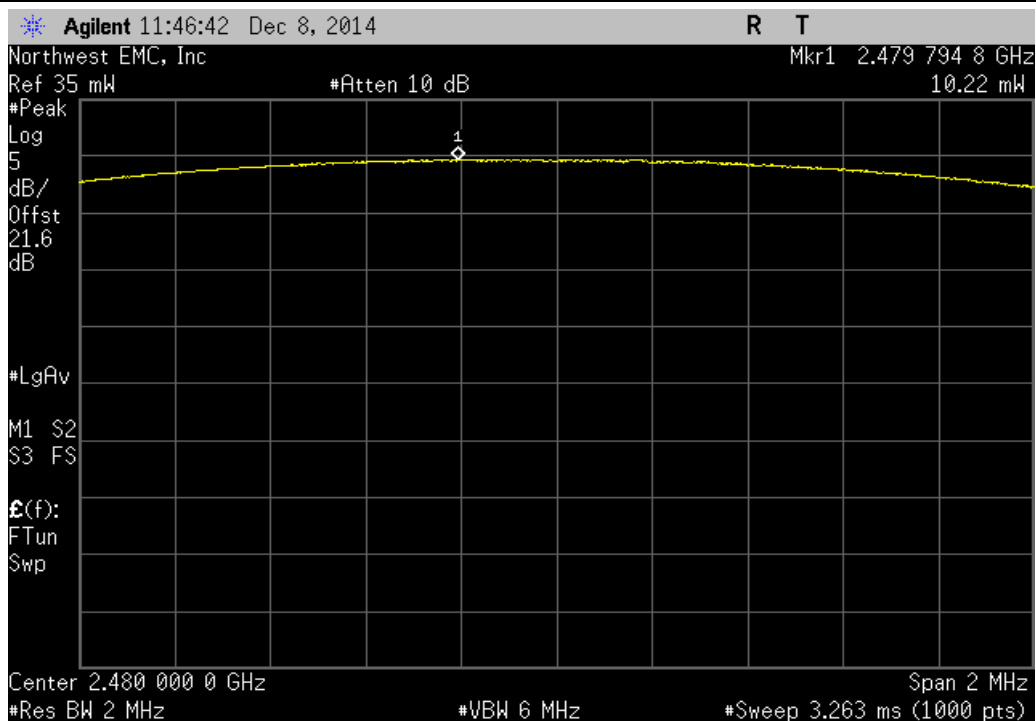
| No-Hop Mode, 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz |  |  |  |          |           |        |
|------------------------------------------------------|--|--|--|----------|-----------|--------|
|                                                      |  |  |  | Value    | Limit (<) | Result |
|                                                      |  |  |  | 12.34 mW | 125 mW    | Pass   |



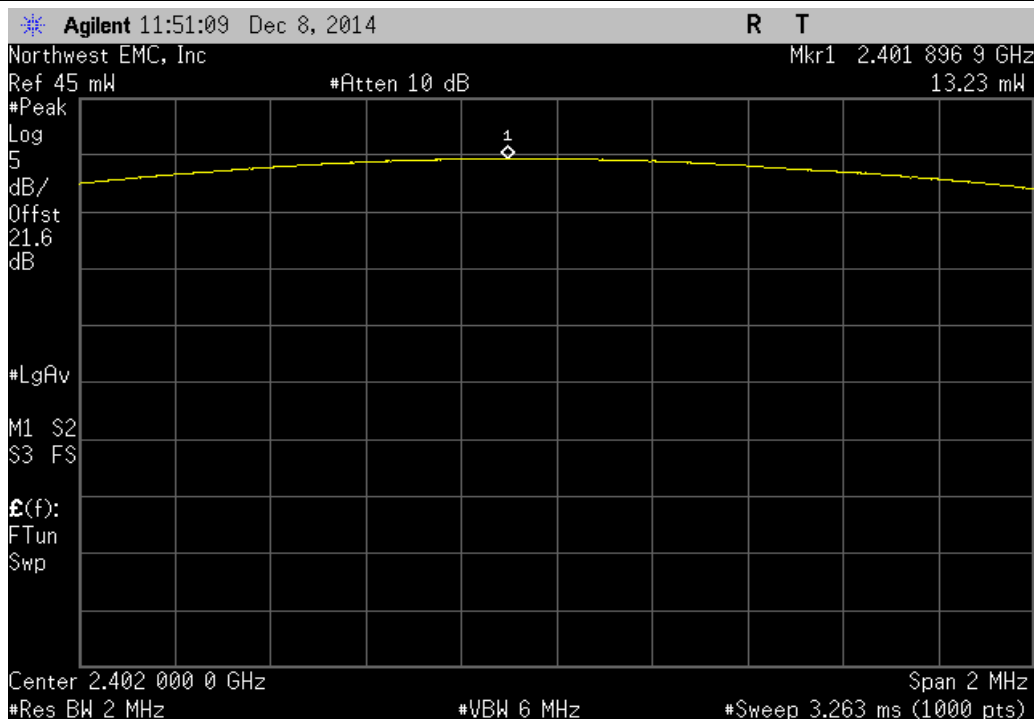
| No-Hop Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2440 MHz |  |  |  |           |           |        |
|------------------------------------------------------|--|--|--|-----------|-----------|--------|
|                                                      |  |  |  | Value     | Limit (<) | Result |
|                                                      |  |  |  | 10.882 mW | 125 mW    | Pass   |



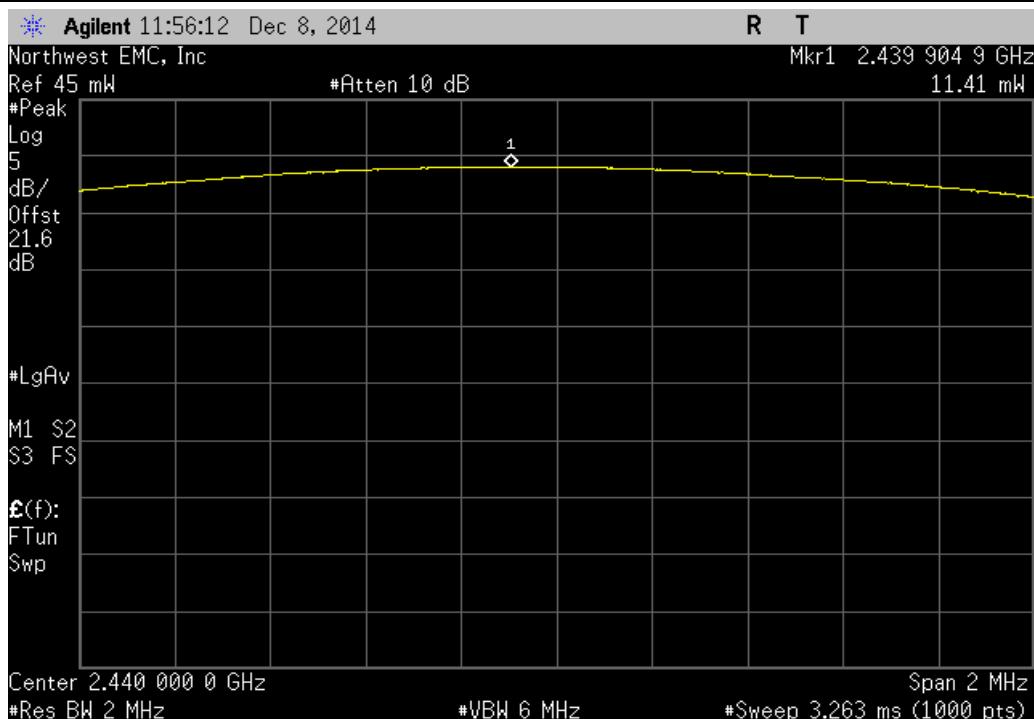
| No-Hop Mode, 2DH5, pi/4-DQPSK, High Channel, 2480 MHz |  |  |  |           |           |        |
|-------------------------------------------------------|--|--|--|-----------|-----------|--------|
|                                                       |  |  |  | Value     | Limit (<) | Result |
|                                                       |  |  |  | 10.216 mW | 125 mW    | Pass   |



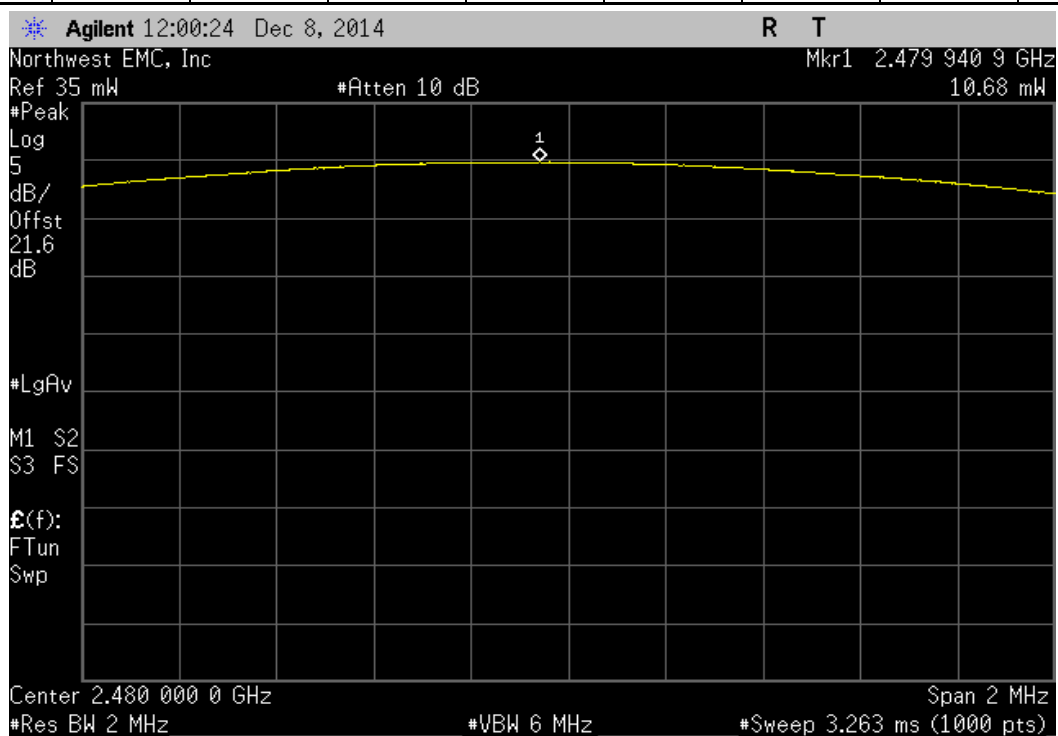
| No-Hop Mode, 3DH5, 8-DPSK, Low Channel, 2402 MHz |  |  |  |           |           |        |
|--------------------------------------------------|--|--|--|-----------|-----------|--------|
|                                                  |  |  |  | Value     | Limit (<) | Result |
|                                                  |  |  |  | 13.225 mW | 125 mW    | Pass   |



| No-Hop Mode, 3DH5, 8-DPSK, Mid Channel, 2440 MHz |  |  |  |          |           |        |
|--------------------------------------------------|--|--|--|----------|-----------|--------|
|                                                  |  |  |  | Value    | Limit (<) | Result |
|                                                  |  |  |  | 11.41 mW | 125 mW    | Pass   |



| No-Hop Mode, 3DH5, 8-DPSK, High Channel, 2480 MHz |  |  |  |           |              |        |
|---------------------------------------------------|--|--|--|-----------|--------------|--------|
|                                                   |  |  |  | Value     | Limit<br>(<) | Result |
|                                                   |  |  |  | 10.681 mW | 125 mW       | Pass   |



## CHANNEL SEPARATION

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

### TEST EQUIPMENT

| Description                 | Manufacturer       | Model           | ID  | Last Cal. | Interval (mos) |
|-----------------------------|--------------------|-----------------|-----|-----------|----------------|
| MN08 Direct Connect Cable   | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 10/2/2014 | 12             |
| Attenuator - 20db, 'SMA'    | SM Electronics     | SA26B-20        | RFW | 4/3/2014  | 12             |
| 40 GHz DC Block             | Fairview Microwave | SD3379          | AMI | 10/2/2014 | 12             |
| MXG Vector Signal Generator | Agilent            | N5182A          | TIF | 8/12/2014 | 36             |
| Spectrum Analyzer           | Agilent            | E4440A          | AAX | 4/28/2014 | 12             |

### TEST DESCRIPTION

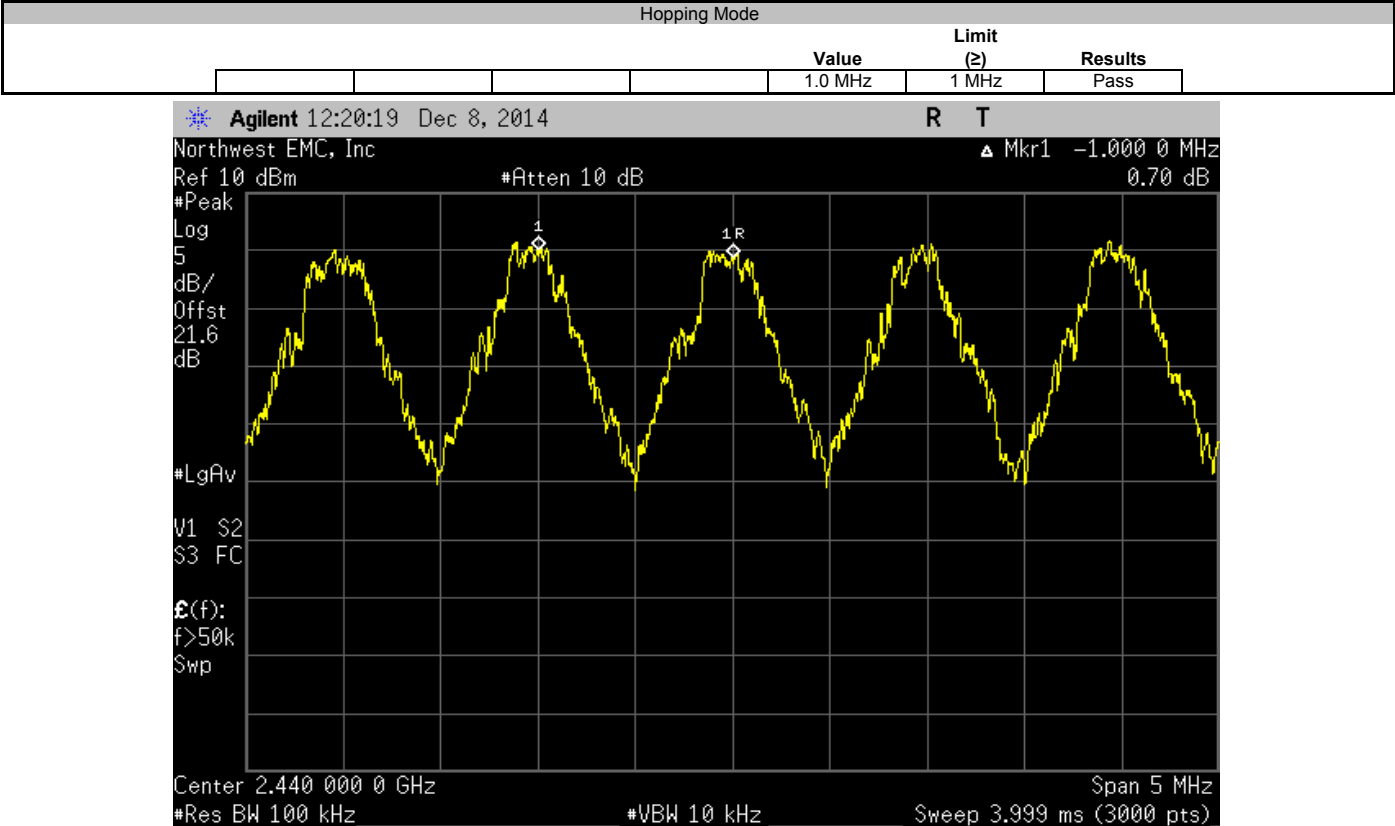
The channel carrier frequencies in the 2400-2483.5MHz band must be separated by 25 kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Or, if the output power is less than 125 mW, the channel separation can be 25 kHz or 2/3 of the 20dB bandwidth. The EUT was operated in pseudorandom hopping mode. The spectrum was scanned across two adjacent peaks. The separation between the peaks of these channels was measured.

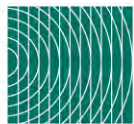


# CHANNEL SEPARATION

XMIT 2014.02.07  
NweTx 2014.11.06

|                                       |   |                              |           |
|---------------------------------------|---|------------------------------|-----------|
| EUT: ConnectCore i.MX6 WiFi/Bluetooth |   | Work Order: ETHE0018         |           |
| Serial Number: 00409D 7C03D2          |   | Date: 12/08/14               |           |
| Customer: Etherios Design Solutions   |   | Temperature: 22°C            |           |
| Attendees: None                       |   | Humidity: 22%                |           |
| Project: None                         |   | Barometric Pres.: 1019.6     |           |
| Tested by: Trevor Buls                |   | Power: 5VDC                  |           |
|                                       |   | Job Site: MN08               |           |
| TEST SPECIFICATIONS                   |   | Test Method                  |           |
| FCC 15.247:2015                       |   | ANSI C63.10:2009             |           |
| COMMENTS                              |   |                              |           |
| None                                  |   |                              |           |
| DEVIATIONS FROM TEST STANDARD         |   |                              |           |
| None                                  |   |                              |           |
| Configuration #                       | 1 | Signature <i>Trevor Buls</i> |           |
|                                       |   | Value                        | Limit (≥) |
| Hopping Mode                          |   | 1.0 MHz                      | 1 MHz     |
|                                       |   |                              | Pass      |





Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

**TEST EQUIPMENT**

| Description                 | Manufacturer       | Model           | ID  | Last Cal. | Interval (mos) |
|-----------------------------|--------------------|-----------------|-----|-----------|----------------|
| MN08 Direct Connect Cable   | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 10/2/2014 | 12             |
| Attenuator - 20db, 'SMA'    | SM Electronics     | SA26B-20        | RFW | 4/3/2014  | 12             |
| 40 GHz DC Block             | Fairview Microwave | SD3379          | AMI | 10/2/2014 | 12             |
| MXG Vector Signal Generator | Agilent            | N5182A          | TIF | 8/12/2014 | 36             |
| Spectrum Analyzer           | Agilent            | E4440A          | AAX | 4/28/2014 | 12             |

**TEST DESCRIPTION**

The number of hopping frequencies was measured across the authorized band. The measurements were made using a direct connection between the RF output of the EUT and the spectrum analyzer. The hopping function of the EUT was enabled.

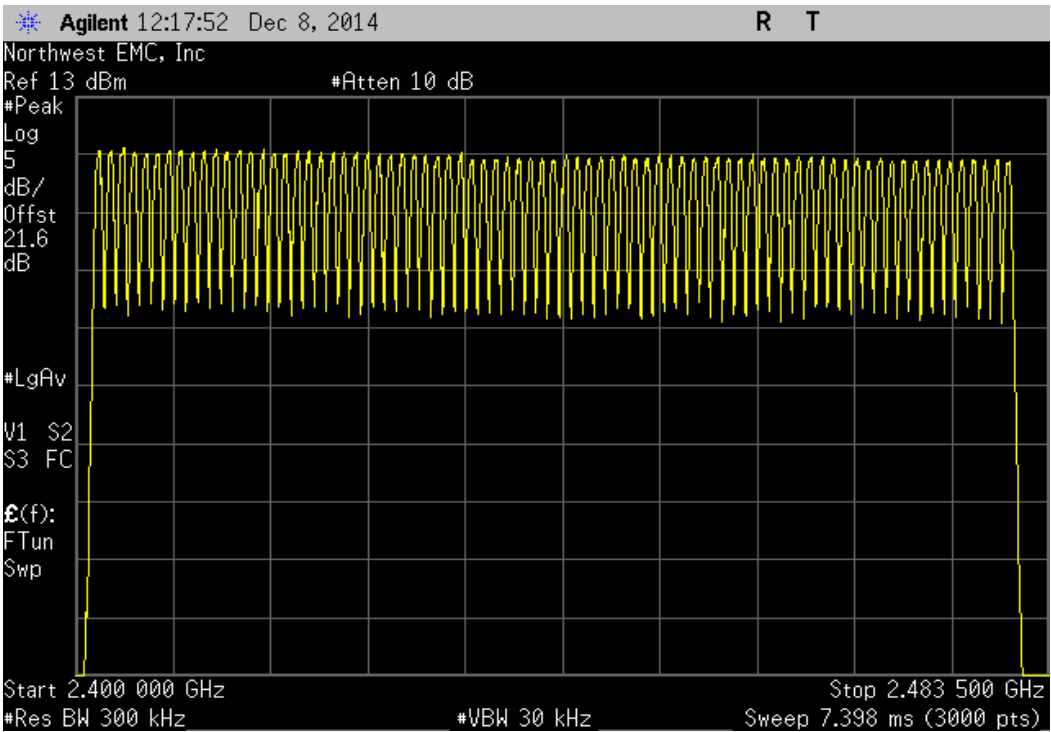


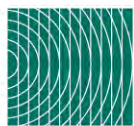
# NUMBER OF HOPPING CHANNELS

XMIT 2014.02.07  
NweTx 2014.11.06

|                                       |   |                              |         |
|---------------------------------------|---|------------------------------|---------|
| EUT: ConnectCore i.MX6 WiFi/Bluetooth |   | Work Order: ETHE0018         |         |
| Serial Number: 00409D 7C03D2          |   | Date: 12/08/14               |         |
| Customer: Etherios Design Solutions   |   | Temperature: 22°C            |         |
| Attendees: None                       |   | Humidity: 22%                |         |
| Project: None                         |   | Barometric Pres.: 1019.6     |         |
| Tested by: Trevor Buls                |   | Power: 5VDC                  |         |
|                                       |   | Job Site: MN08               |         |
| TEST SPECIFICATIONS                   |   | Test Method                  |         |
| FCC 15.247:2015                       |   | ANSI C63.10:2009             |         |
| COMMENTS                              |   |                              |         |
| None                                  |   |                              |         |
| DEVIATIONS FROM TEST STANDARD         |   |                              |         |
| None                                  |   |                              |         |
| Configuration #                       | 1 | Signature <i>Trevor Buls</i> |         |
|                                       |   | Number of Channels           | Limit   |
| Hopping Mode                          |   | 79                           | 15      |
|                                       |   |                              | Results |
|                                       |   |                              | Pass    |

| Hopping Mode |  |  |  | Number of Channels | Limit | Results |
|--------------|--|--|--|--------------------|-------|---------|
|              |  |  |  | 79                 | 15    | Pass    |





Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

#### TEST EQUIPMENT

| Description                 | Manufacturer       | Model           | ID  | Last Cal. | Interval (mos) |
|-----------------------------|--------------------|-----------------|-----|-----------|----------------|
| MN08 Direct Connect Cable   | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 10/2/2014 | 12             |
| Attenuator - 20db, 'SMA'    | SM Electronics     | SA26B-20        | RFW | 4/3/2014  | 12             |
| 40 GHz DC Block             | Fairview Microwave | SD3379          | AMI | 10/2/2014 | 12             |
| MXG Vector Signal Generator | Agilent            | N5182A          | TIF | 8/12/2014 | 36             |
| Spectrum Analyzer           | Agilent            | E4440A          | AAX | 4/28/2014 | 12             |

#### TEST DESCRIPTION

The average dwell time per hopping channel was measured at one hopping channel in the middle of the authorized band. The measurements were made using a direct connection between the RF output of the EUT and the spectrum analyzer. The hopping function of the EUT was enabled.

The dwell time limit is based on the Number of Hopping Channels \* 400 mS. For Bluetooth this would be 79 Channels \* 400mS = 31.6 Sec.

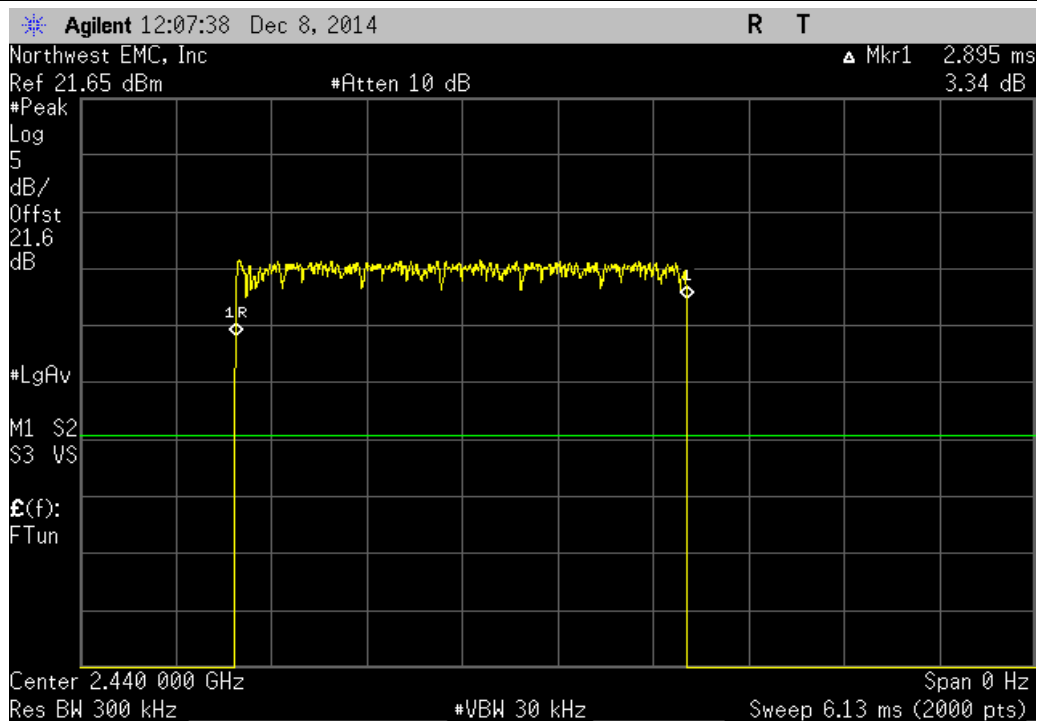
On Time During 31.6 Sec = Pulse Width \* Average Number of Pulses \* Scale Factor

➤Average Number of Pulses is based on 4 samples.

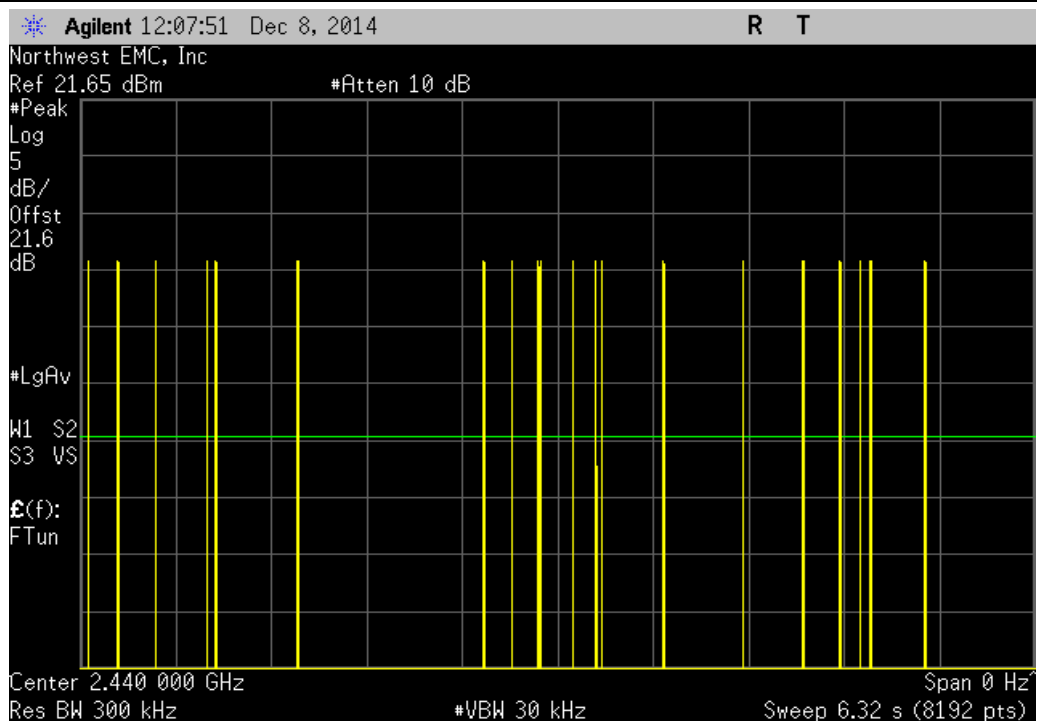
➤Scale Factor = 31.6 Sec / Screen Capture Sweep Time = 31.6 Sec / 6.32 Sec = 5

|                                       |                       |                                                                                             |                  |                          |              |                            |            |         |
|---------------------------------------|-----------------------|---------------------------------------------------------------------------------------------|------------------|--------------------------|--------------|----------------------------|------------|---------|
| EUT: ConnectCore i.MX6 WiFi/Bluetooth |                       |                                                                                             |                  | Work Order: ETHE0018     |              |                            |            |         |
| Serial Number: 00409D 7C03D2          |                       |                                                                                             |                  | Date: 12/08/14           |              |                            |            |         |
| Customer: Etherios Design Solutions   |                       |                                                                                             |                  | Temperature: 22°C        |              |                            |            |         |
| Attendees: None                       |                       |                                                                                             |                  | Humidity: 22%            |              |                            |            |         |
| Project: None                         |                       |                                                                                             |                  | Barometric Pres.: 1019.6 |              |                            |            |         |
| Tested by: Trevor Buls                |                       |                                                                                             | Power: 5VDC      | Job Site: MN08           |              |                            |            |         |
| TEST SPECIFICATIONS                   |                       |                                                                                             |                  | Test Method              |              |                            |            |         |
| FCC 15.247:2015                       |                       |                                                                                             |                  | ANSI C63.10:2009         |              |                            |            |         |
| COMMENTS                              |                       |                                                                                             |                  |                          |              |                            |            |         |
| None                                  |                       |                                                                                             |                  |                          |              |                            |            |         |
| DEVIATIONS FROM TEST STANDARD         |                       |                                                                                             |                  |                          |              |                            |            |         |
| None                                  |                       |                                                                                             |                  |                          |              |                            |            |         |
| Configuration #                       | 1                     | Signature  |                  |                          |              |                            |            |         |
|                                       |                       | Pulse Width (ms)                                                                            | Number of Pulses | Average No. of Pulses    | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| Hopping Mode                          |                       |                                                                                             |                  |                          |              |                            |            |         |
| DH5, GFSK                             |                       |                                                                                             |                  |                          |              |                            |            |         |
|                                       | Mid Channel, 2440 MHz | 2.895                                                                                       | N/A              | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 21               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 16               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 24               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 17               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | 2.895                                                                                       | N/A              | 19.5                     | 5            | 282.26                     | 400        | Pass    |
| 2DH5, pi/4-DQPSK                      |                       |                                                                                             |                  |                          |              |                            |            |         |
|                                       | Mid Channel, 2440 MHz | 2.902                                                                                       | N/A              | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 23               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 26               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 22               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 23               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | 2.902                                                                                       | N/A              | 23.5                     | 5            | 340.99                     | 400        | Pass    |
| 3DH5, 8-DPSK                          |                       |                                                                                             |                  |                          |              |                            |            |         |
|                                       | Mid Channel, 2440 MHz | 2.905                                                                                       | N/A              | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 21               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 17               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 23               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | N/A                                                                                         | 19               | N/A                      | N/A          | N/A                        | N/A        | N/A     |
|                                       | Mid Channel, 2440 MHz | 2.905                                                                                       | N/A              | 20                       | 5            | 290.50                     | 400        | Pass    |

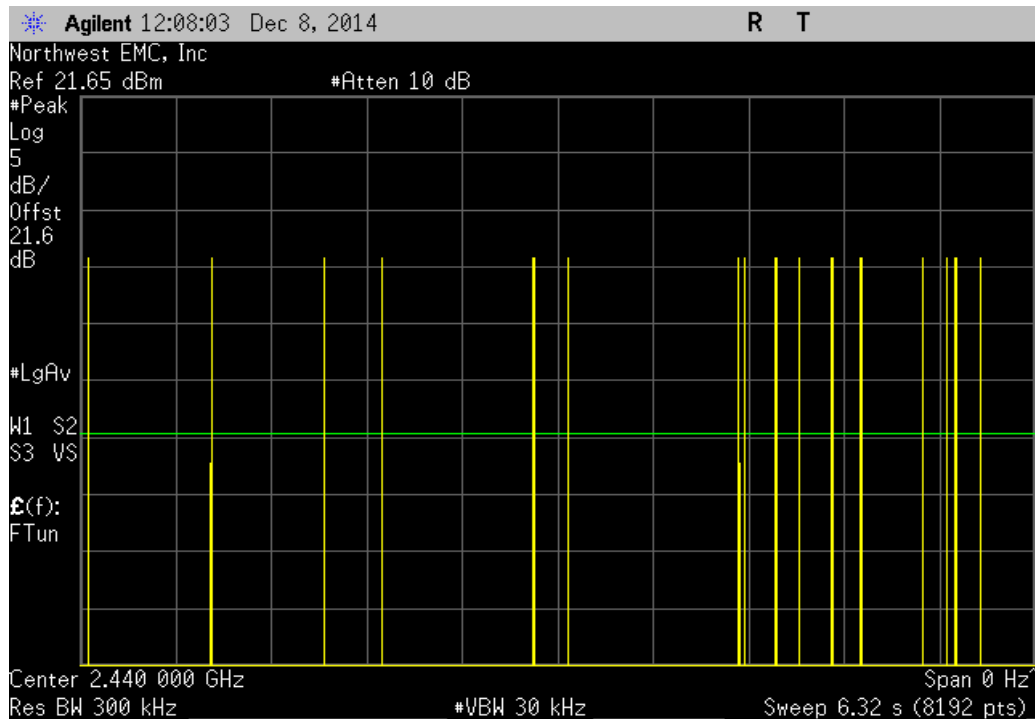
| Hopping Mode, DH5, GFSK, Mid Channel, 2440 MHz |                  |                       |              |                            |            |         |
|------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                               | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| 2.895                                          | N/A              | N/A                   | N/A          | N/A                        | N/A        | N/A     |



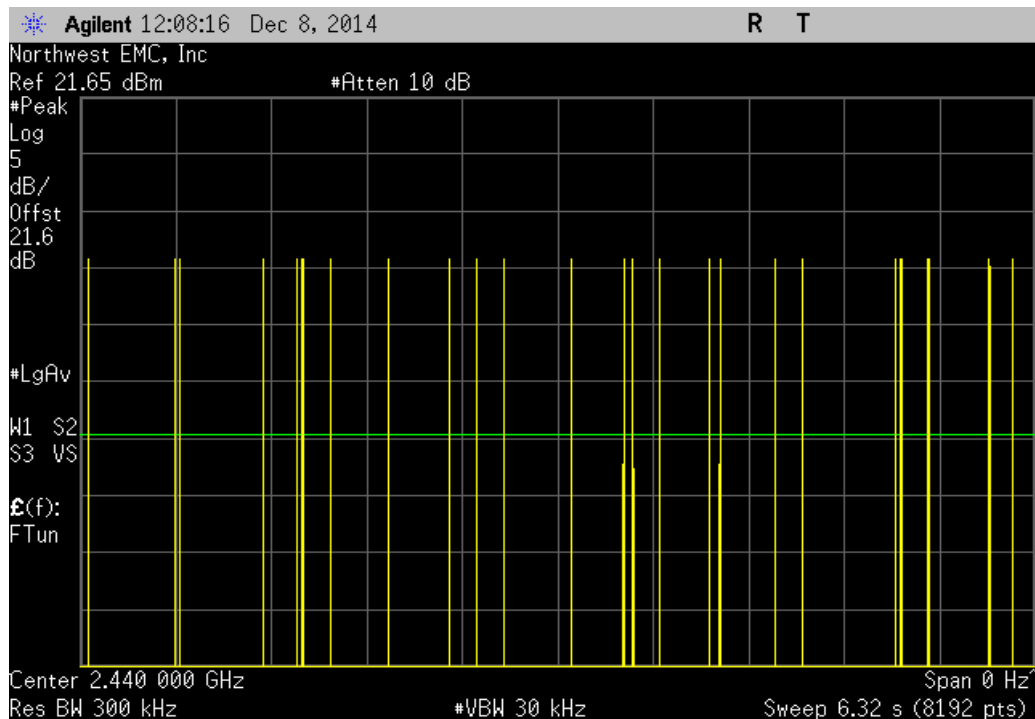
| Hopping Mode, DH5, GFSK, Mid Channel, 2440 MHz |                  |                       |              |                            |            |         |
|------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                               | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                            | 21               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



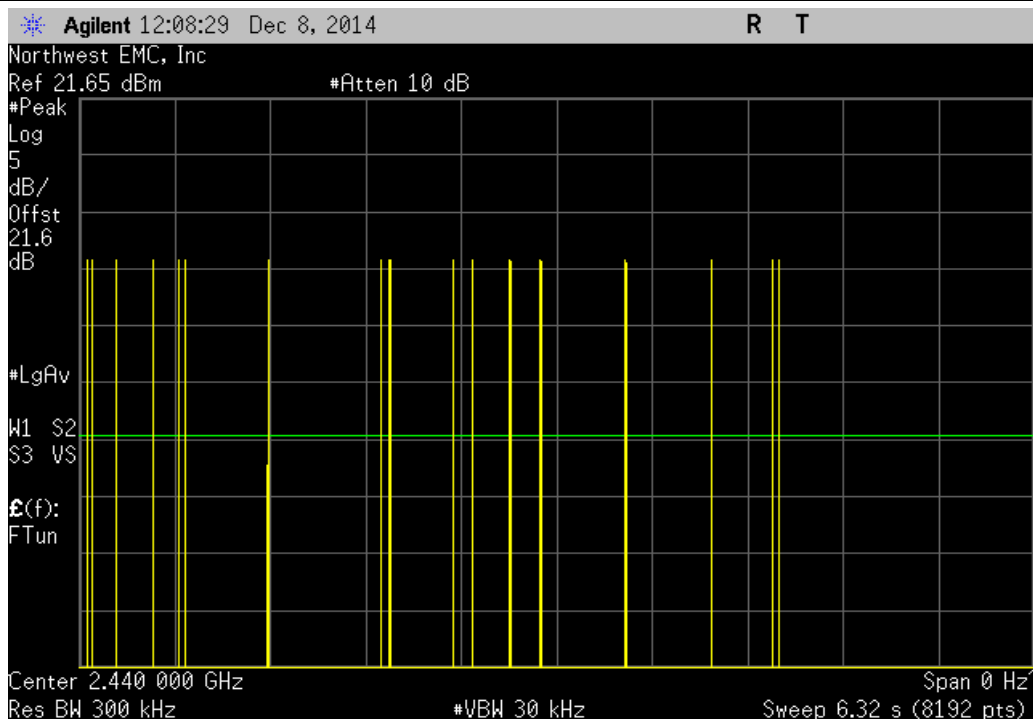
| Hopping Mode, DH5, GFSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                            | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| N/A                                            | 16                  | N/A                      | N/A             | N/A                           | N/A           | N/A     |



| Hopping Mode, DH5, GFSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                            | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| N/A                                            | 24                  | N/A                      | N/A             | N/A                           | N/A           | N/A     |



| Hopping Mode, DH5, GFSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                            | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| N/A                                            | 17                  | N/A                      | N/A             | N/A                           | N/A           | N/A     |

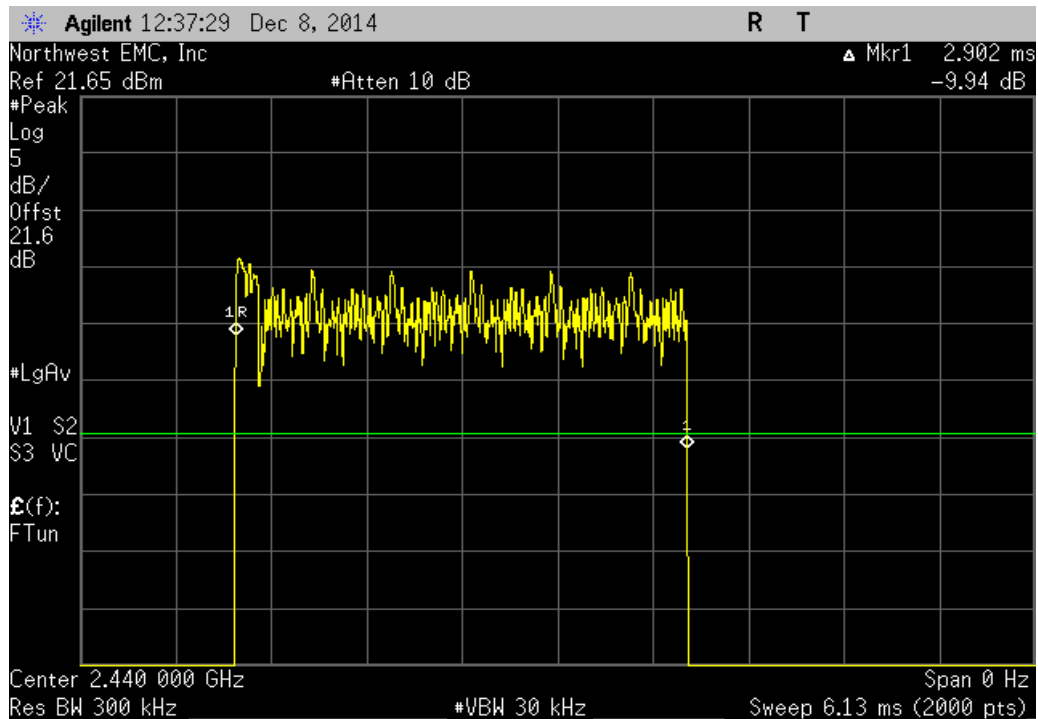


| Hopping Mode, DH5, GFSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                            | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| 2.895                                          | N/A                 | 19.5                     | 5               | 282.26                        | 400           | Pass    |

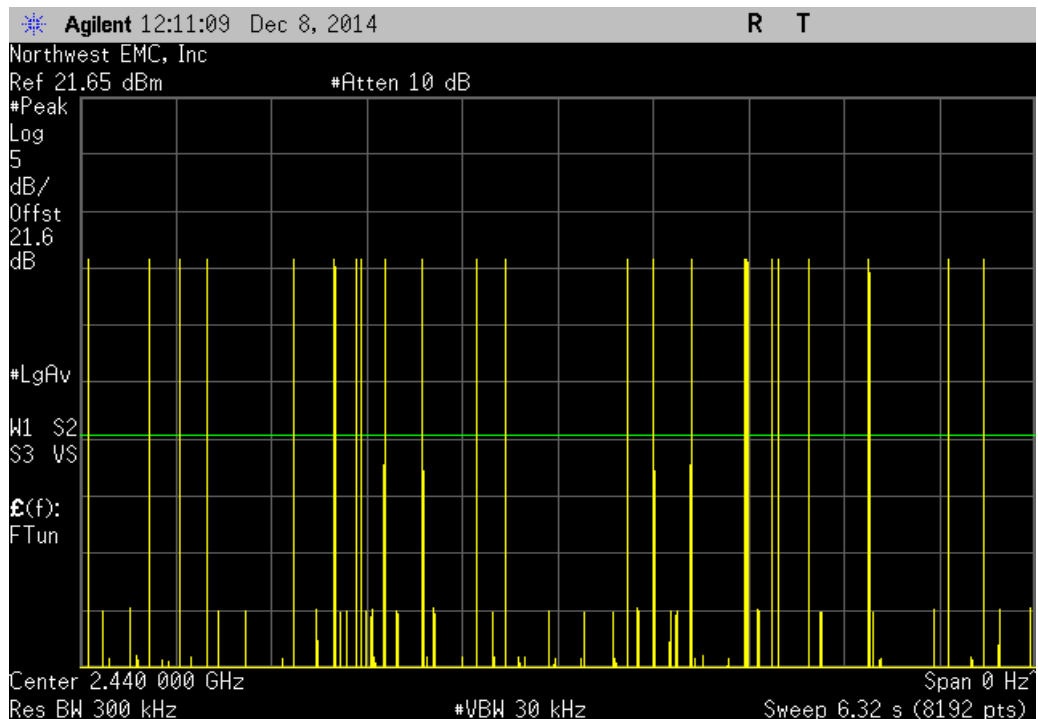
**Calculation Only**

**No Screen Capture Required**

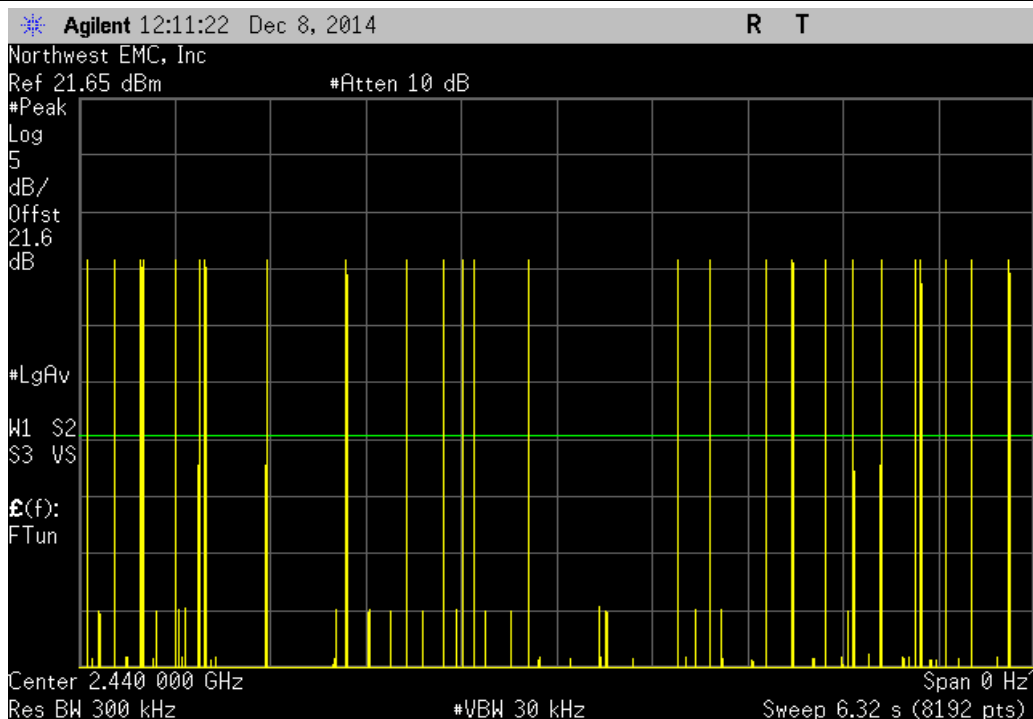
| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|-------------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                                   | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| 2.902                                                 | N/A                 | N/A                      | N/A             | N/A                           | N/A           | N/A     |



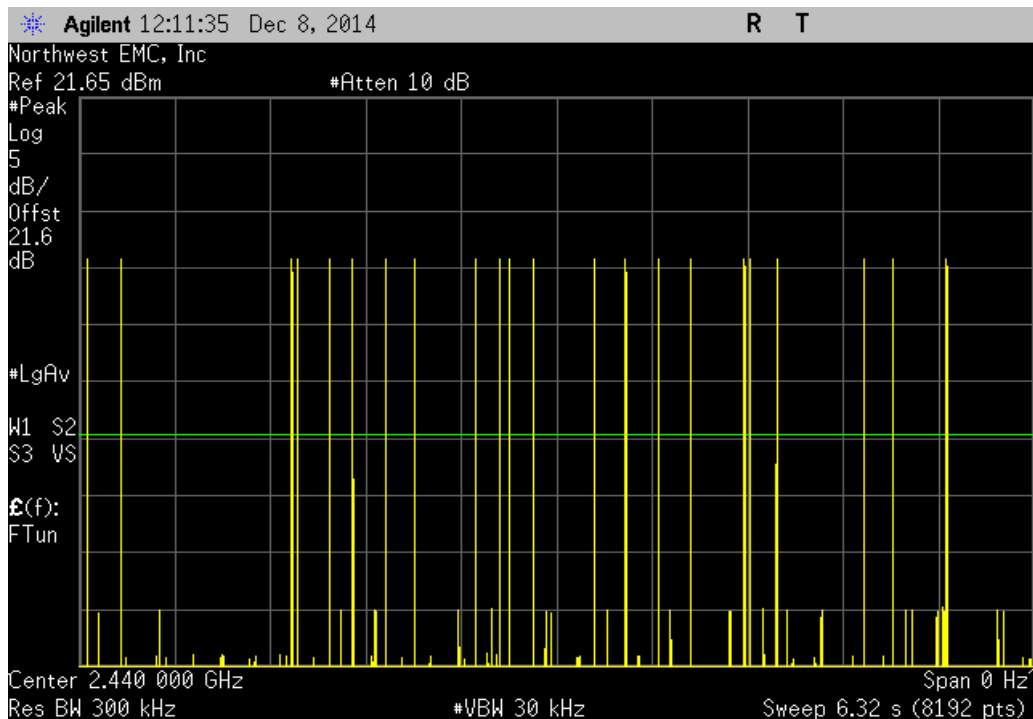
| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|-------------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                                   | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| N/A                                                   | 23                  | N/A                      | N/A             | N/A                           | N/A           | N/A     |



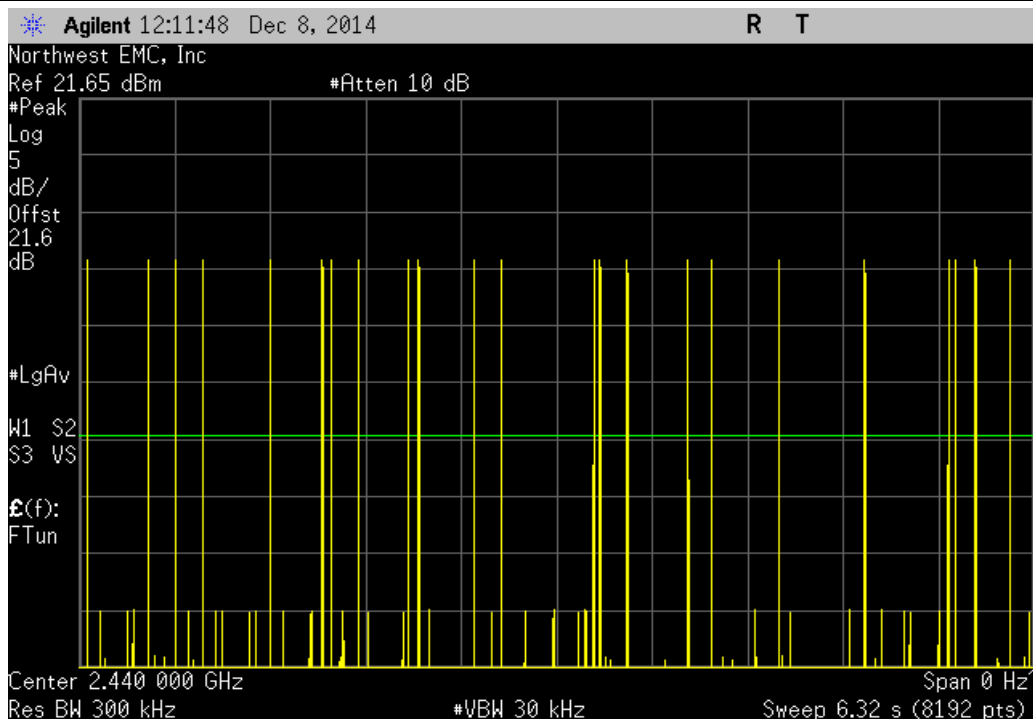
| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|-------------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                                   | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| N/A                                                   | 26                  | N/A                      | N/A             | N/A                           | N/A           | N/A     |



| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|-------------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                                   | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| N/A                                                   | 22                  | N/A                      | N/A             | N/A                           | N/A           | N/A     |



| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|-------------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                                   | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| N/A                                                   | 23                  | N/A                      | N/A             | N/A                           | N/A           | N/A     |

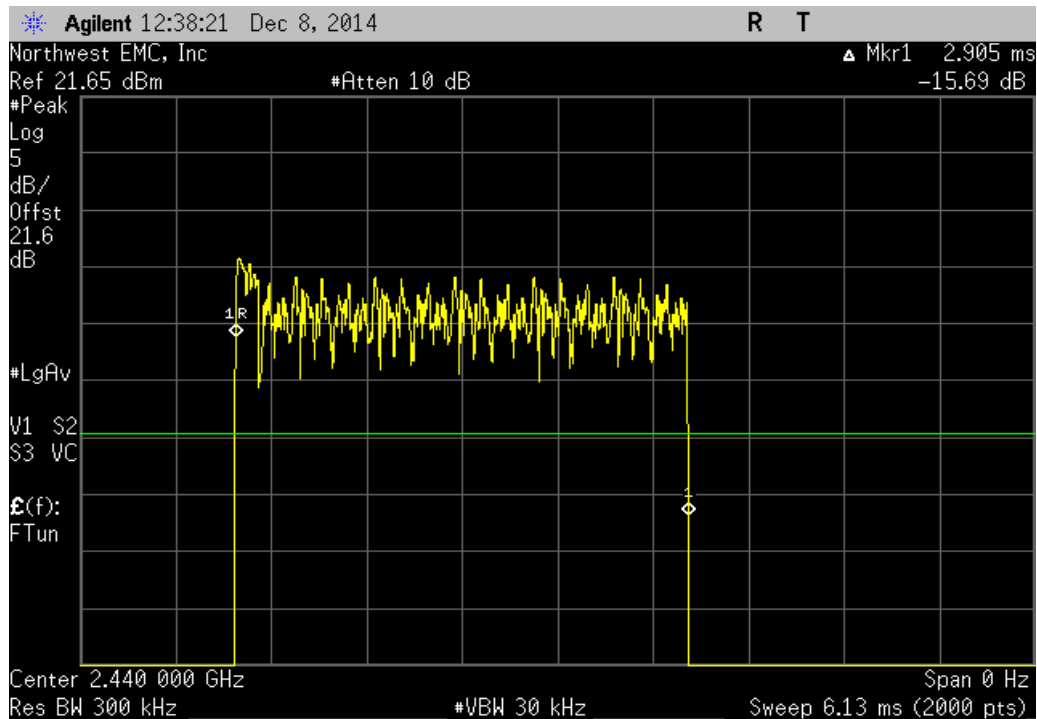


| Hopping Mode, 2DH5, pi/4-DQPSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|-------------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                                   | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| 2.902                                                 | N/A                 | 23.5                     | 5               | 340.99                        | 400           | Pass    |

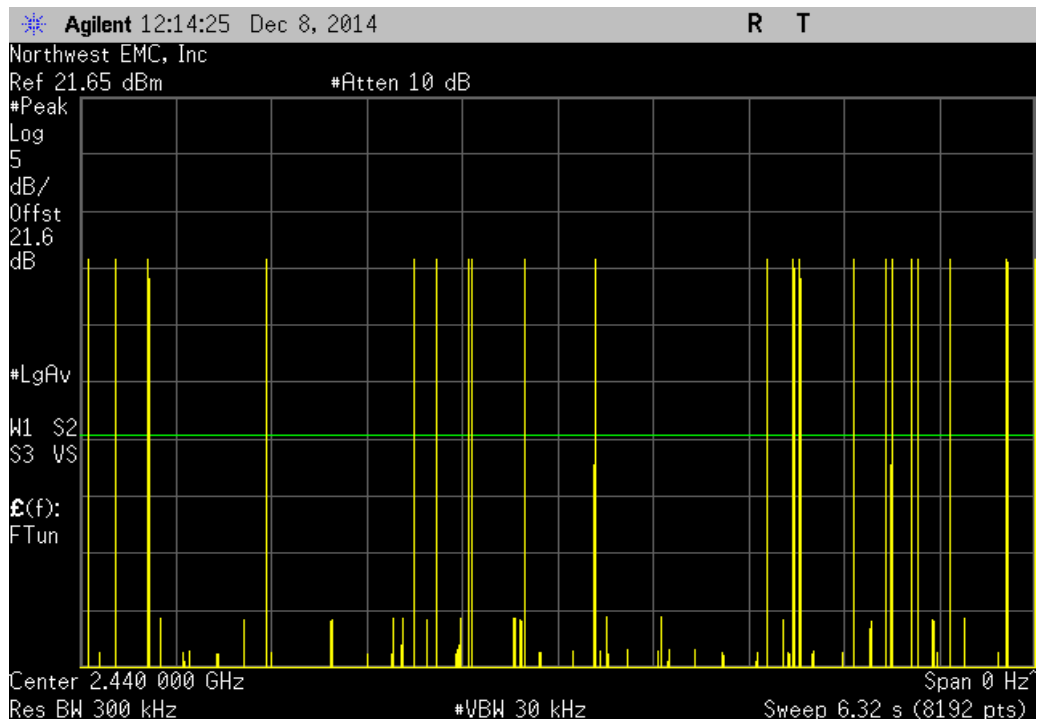
**Calculation Only**

**No Screen Capture Required**

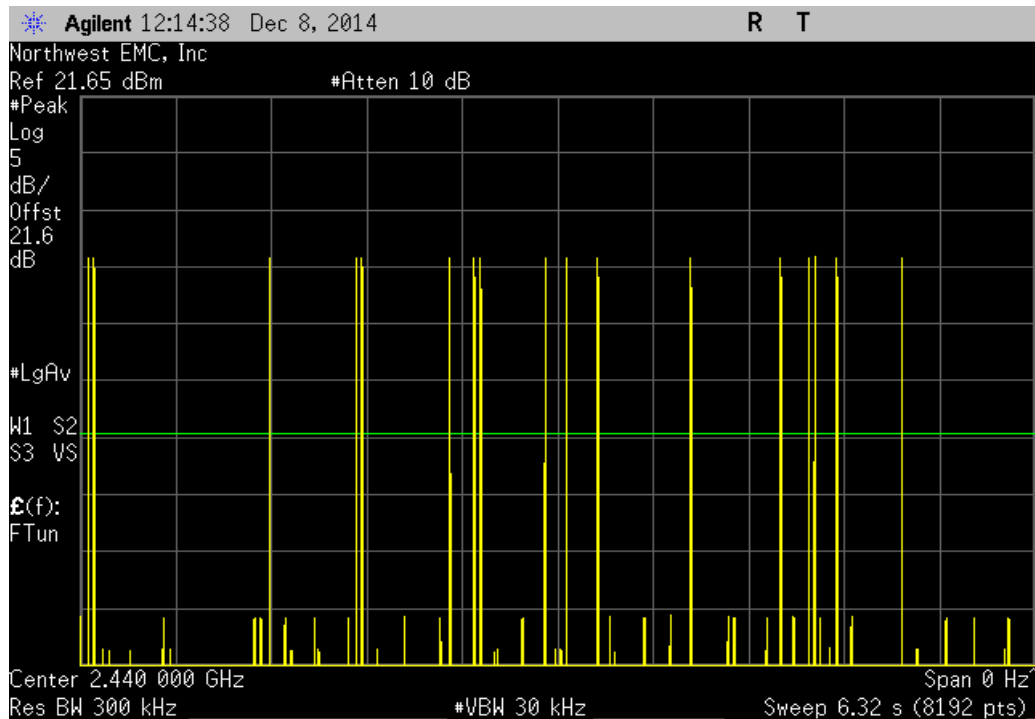
| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2440 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| 2.905                                             | N/A              | N/A                   | N/A          | N/A                        | N/A        | N/A     |



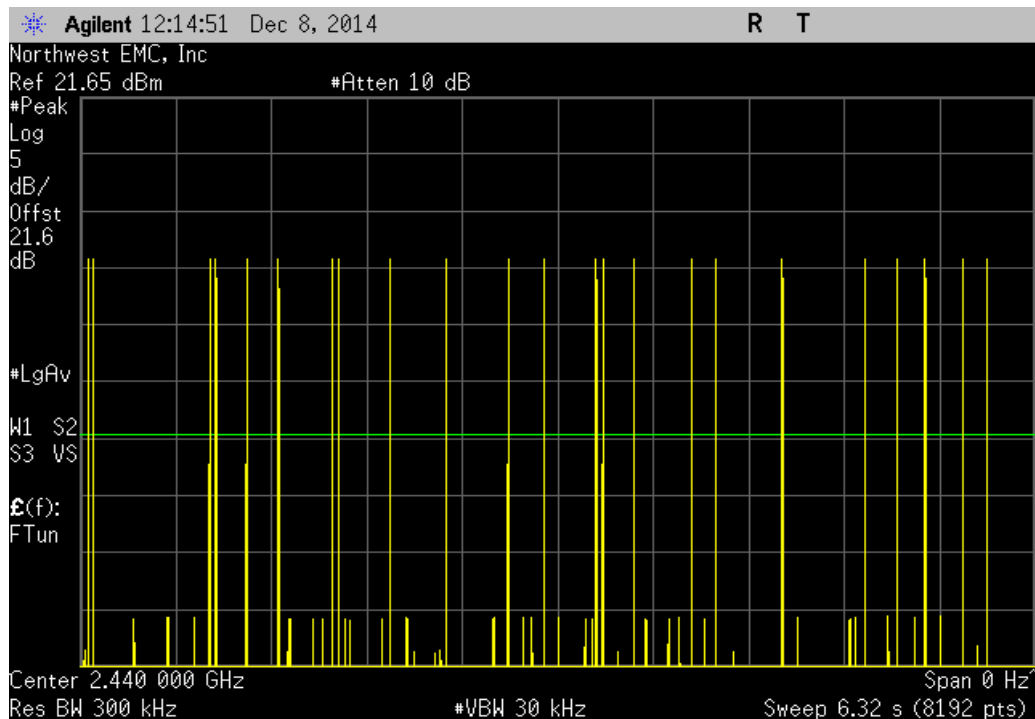
| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2440 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                               | 21               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



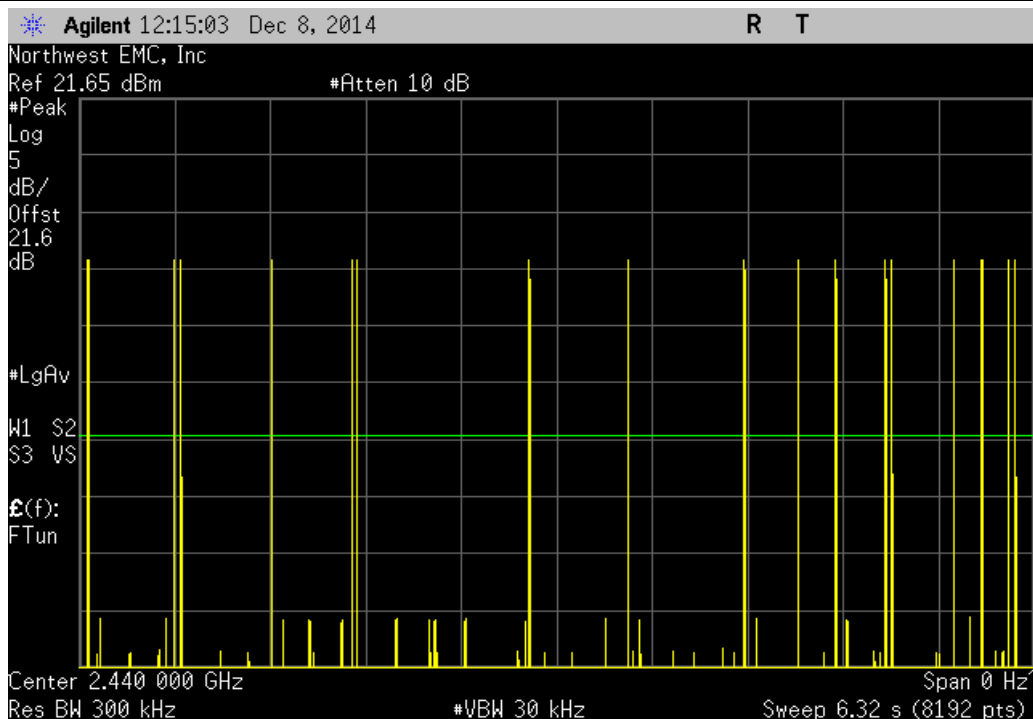
| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2440 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                               | 17               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2440 MHz |                  |                       |              |                            |            |         |
|---------------------------------------------------|------------------|-----------------------|--------------|----------------------------|------------|---------|
| Pulse Width (ms)                                  | Number of Pulses | Average No. of Pulses | Scale Factor | On Time (ms) During 31.6 s | Limit (ms) | Results |
| N/A                                               | 23               | N/A                   | N/A          | N/A                        | N/A        | N/A     |



| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|---------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                               | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| N/A                                               | 19                  | N/A                      | N/A             | N/A                           | N/A           | N/A     |



| Hopping Mode, 3DH5, 8-DPSK, Mid Channel, 2440 MHz |                     |                          |                 |                               |               |         |
|---------------------------------------------------|---------------------|--------------------------|-----------------|-------------------------------|---------------|---------|
| Pulse Width<br>(ms)                               | Number of<br>Pulses | Average No.<br>of Pulses | Scale<br>Factor | On Time (ms)<br>During 31.6 s | Limit<br>(ms) | Results |
| 2.905                                             | N/A                 | 20                       | 5               | 290.50                        | 400           | Pass    |

**Calculation Only**

**No Screen Capture Required**

## DUTY CYCLE

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

### TEST EQUIPMENT

| Description                 | Manufacturer       | Model           | ID  | Last Cal. | Interval (mos) |
|-----------------------------|--------------------|-----------------|-----|-----------|----------------|
| MN08 Direct Connect Cable   | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 10/2/2014 | 12             |
| Attenuator - 20db, 'SMA'    | SM Electronics     | SA26B-20        | RFW | 4/3/2014  | 12             |
| 40 GHz DC Block             | Fairview Microwave | SD3379          | AMI | 10/2/2014 | 12             |
| MXG Vector Signal Generator | Agilent            | N5182A          | TIF | 8/12/2014 | 36             |
| Spectrum Analyzer           | Agilent            | E4440A          | AAX | 4/28/2014 | 12             |

### TEST DESCRIPTION

The Duty Cycle (x) of the single channel operation of the radio as controlled by the provided test software was measured for each of the EUT operating modes.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum. A direct connection was made between the RF output of the EUT and a spectrum analyzer. Attenuation and a DC block were used.

The duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

If the transmit duty cycle < 98 percent, burst gating was used during some of the other tests in this report to only measure during the burst duration.

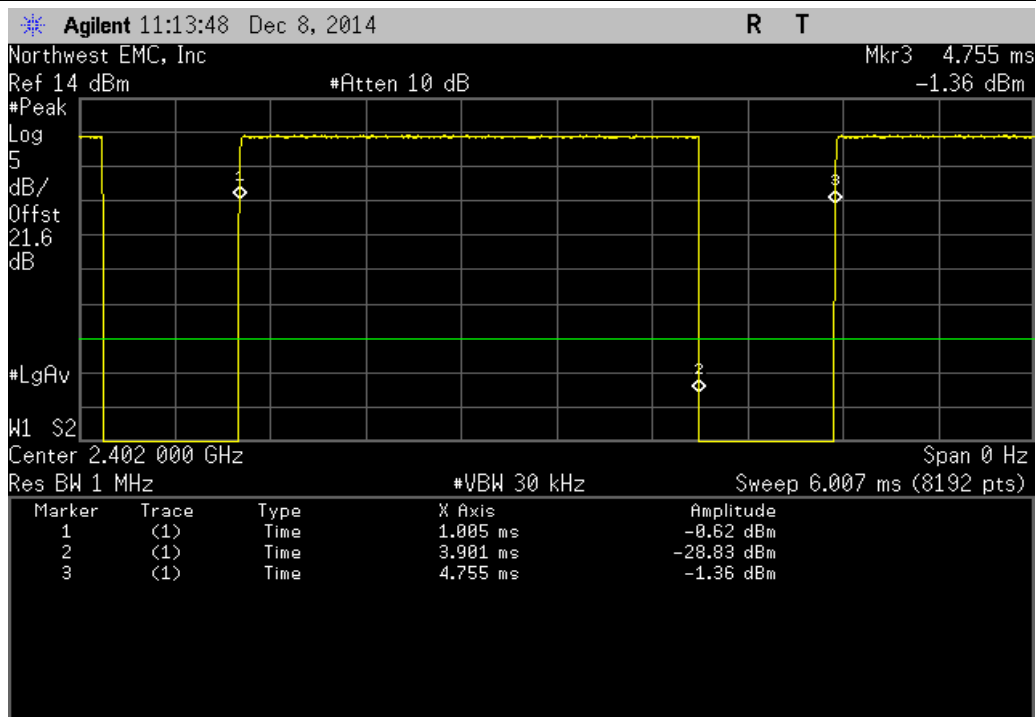


# DUTY CYCLE

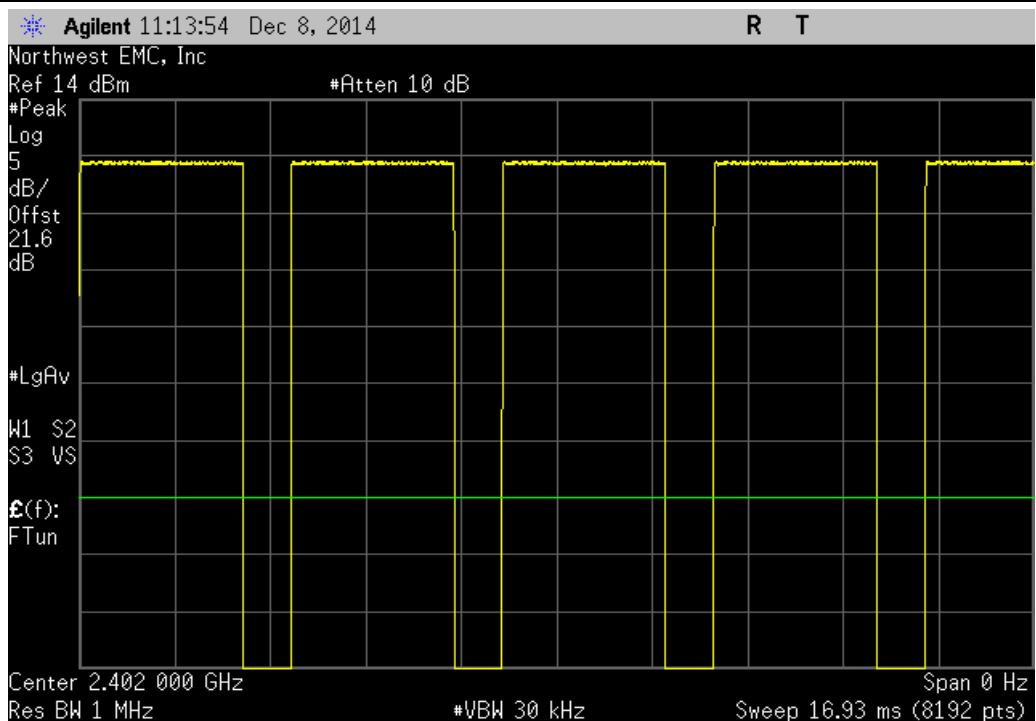
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NweTx 2014.11.06

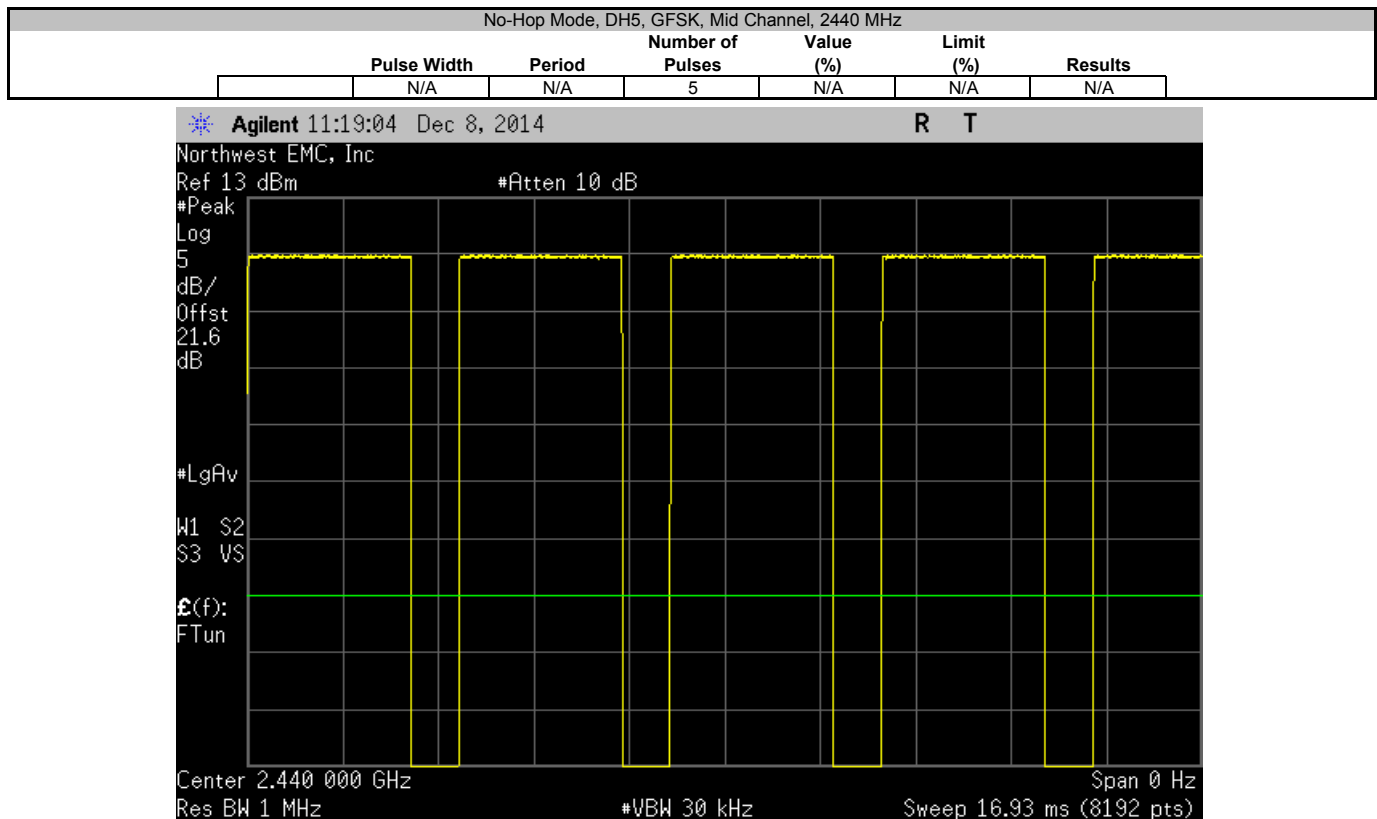
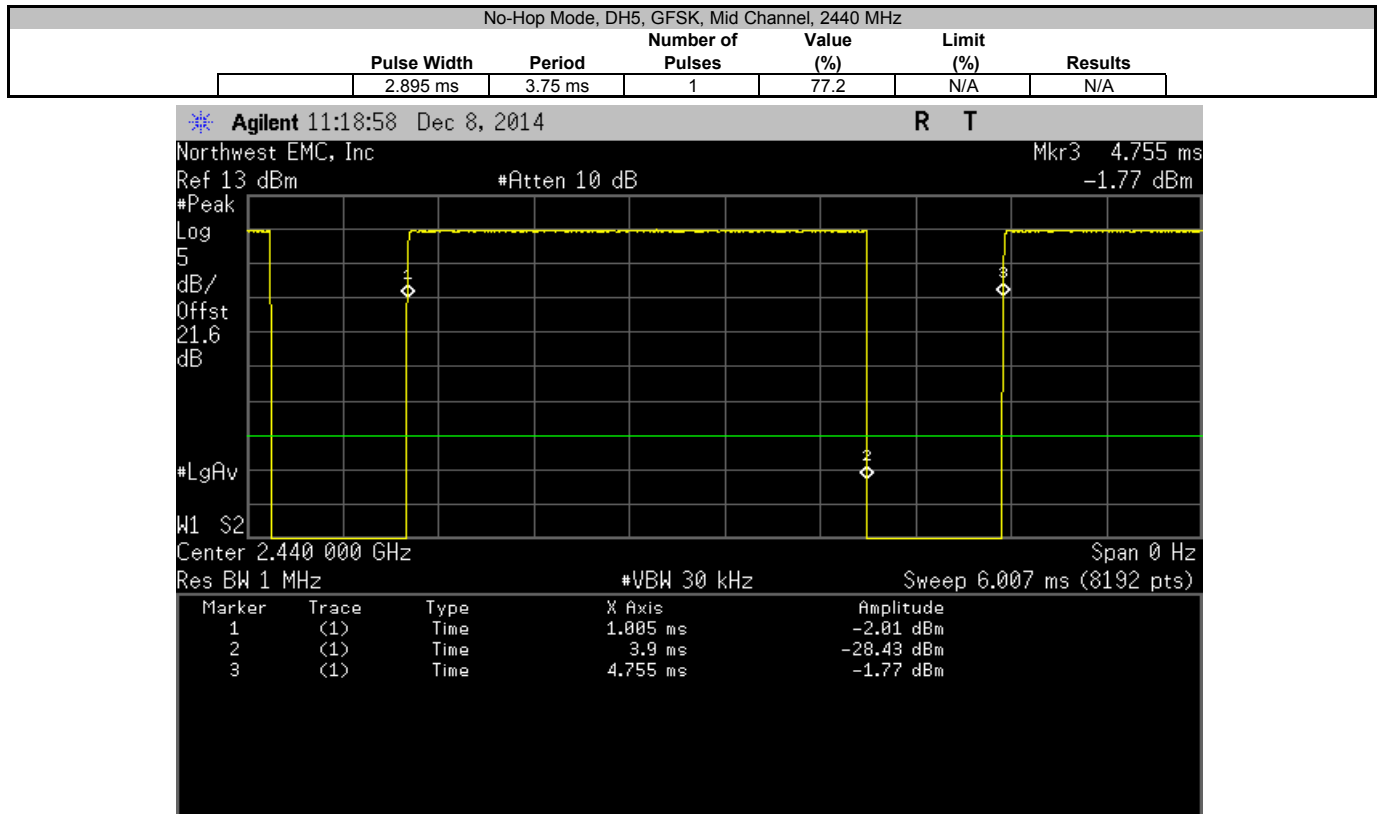
|                                       |   |                              |         |                  |           |           |         |
|---------------------------------------|---|------------------------------|---------|------------------|-----------|-----------|---------|
| EUT: ConnectCore i.MX6 WiFi/Bluetooth |   | Work Order: ETHE0018         |         |                  |           |           |         |
| Serial Number: 00409D 7C03D2          |   | Date: 12/08/14               |         |                  |           |           |         |
| Customer: Etherios Design Solutions   |   | Temperature: 22°C            |         |                  |           |           |         |
| Attendees: None                       |   | Humidity: 22%                |         |                  |           |           |         |
| Project: None                         |   | Barometric Pres.: 1019.6     |         |                  |           |           |         |
| Tested by: Trevor Buls                |   | Power: 5VDC                  |         |                  |           |           |         |
| Job Site: MN08                        |   |                              |         |                  |           |           |         |
| TEST SPECIFICATIONS                   |   | Test Method                  |         |                  |           |           |         |
| FCC 15.247:2015                       |   | ANSI C63.10:2009             |         |                  |           |           |         |
| COMMENTS                              |   |                              |         |                  |           |           |         |
| None                                  |   |                              |         |                  |           |           |         |
| DEVIATIONS FROM TEST STANDARD         |   |                              |         |                  |           |           |         |
| None                                  |   |                              |         |                  |           |           |         |
| Configuration #                       | 1 | Signature <i>Trevor Buls</i> |         |                  |           |           |         |
|                                       |   | Pulse Width                  | Period  | Number of Pulses | Value (%) | Limit (%) | Results |
| No-Hop Mode                           |   |                              |         |                  |           |           |         |
| DH5, GFSK                             |   |                              |         |                  |           |           |         |
| Low Channel, 2402 MHz                 |   | 2.895 ms                     | 3.75 ms | 1                | 77.2      | N/A       | N/A     |
| Low Channel, 2402 MHz                 |   | N/A                          | N/A     | 5                | N/A       | N/A       | N/A     |
| Mid Channel, 2440 MHz                 |   | 2.895 ms                     | 3.75 ms | 1                | 77.2      | N/A       | N/A     |
| Mid Channel, 2440 MHz                 |   | N/A                          | N/A     | 5                | N/A       | N/A       | N/A     |
| High Channel, 2480 MHz                |   | 2.895 ms                     | 3.75 ms | 1                | 77.2      | N/A       | N/A     |
| High Channel, 2480 MHz                |   | N/A                          | N/A     | 5                | N/A       | N/A       | N/A     |
| 2DH5, pi/4-DQPSK                      |   |                              |         |                  |           |           |         |
| Low Channel, 2402 MHz                 |   | 2.9 ms                       | 3.75 ms | 1                | 77.3      | N/A       | N/A     |
| Low Channel, 2402 MHz                 |   | N/A                          | N/A     | 5                | N/A       | N/A       | N/A     |
| Mid Channel, 2440 MHz                 |   | 2.9 ms                       | 3.75 ms | 1                | 77.3      | N/A       | N/A     |
| Mid Channel, 2440 MHz                 |   | N/A                          | N/A     | 5                | N/A       | N/A       | N/A     |
| High Channel, 2480 MHz                |   | 2.9 ms                       | 3.75 ms | 1                | 77.4      | N/A       | N/A     |
| High Channel, 2480 MHz                |   | N/A                          | N/A     | 5                | N/A       | N/A       | N/A     |
| 3DH5, 8-DPSK                          |   |                              |         |                  |           |           |         |
| Low Channel, 2402 MHz                 |   | 2.902 ms                     | 3.75 ms | 1                | 77.4      | N/A       | N/A     |
| Low Channel, 2402 MHz                 |   | N/A                          | N/A     | 5                | N/A       | N/A       | N/A     |
| Mid Channel, 2440 MHz                 |   | 2.903 ms                     | 3.75 ms | 1                | 77.4      | N/A       | N/A     |
| Mid Channel, 2440 MHz                 |   | N/A                          | N/A     | 5                | N/A       | N/A       | N/A     |
| High Channel, 2480 MHz                |   | 2.902 ms                     | 3.75 ms | 1                | 77.4      | N/A       | N/A     |
| High Channel, 2480 MHz                |   | N/A                          | N/A     | 5                | N/A       | N/A       | N/A     |

| No-Hop Mode, DH5, GFSK, Low Channel, 2402 MHz |         |                  |           |           |         |  |
|-----------------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                                   | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.895 ms                                      | 3.75 ms | 1                | 77.2      | N/A       | N/A     |  |

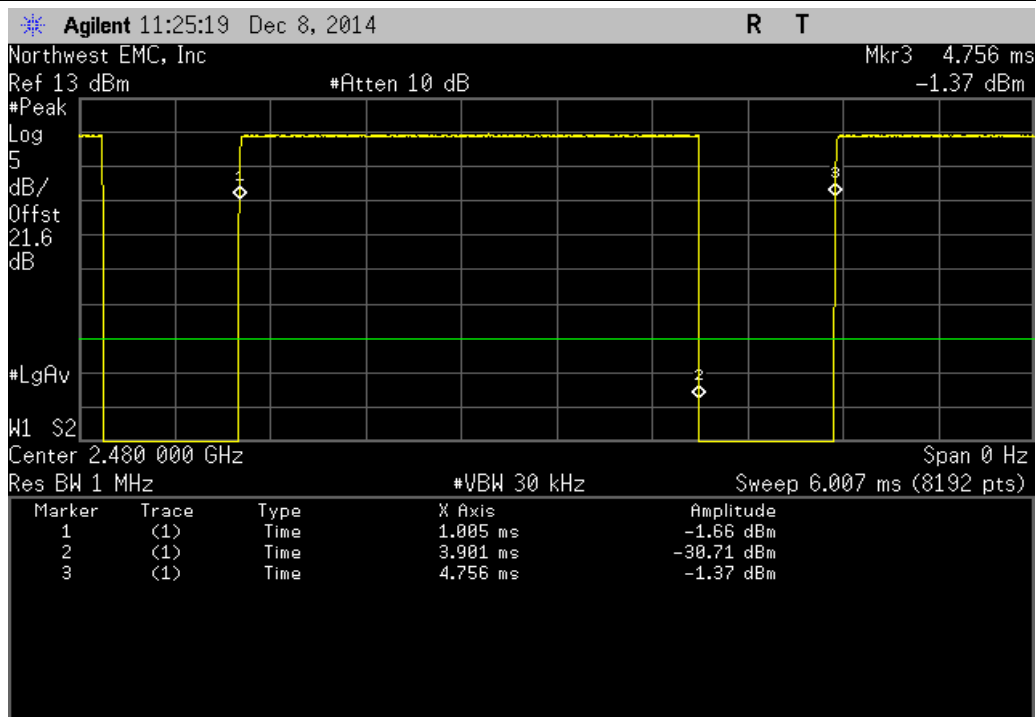


| No-Hop Mode, DH5, GFSK, Low Channel, 2402 MHz |        |                  |           |           |         |  |
|-----------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                   | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                           | N/A    | 5                | N/A       | N/A       | N/A     |  |

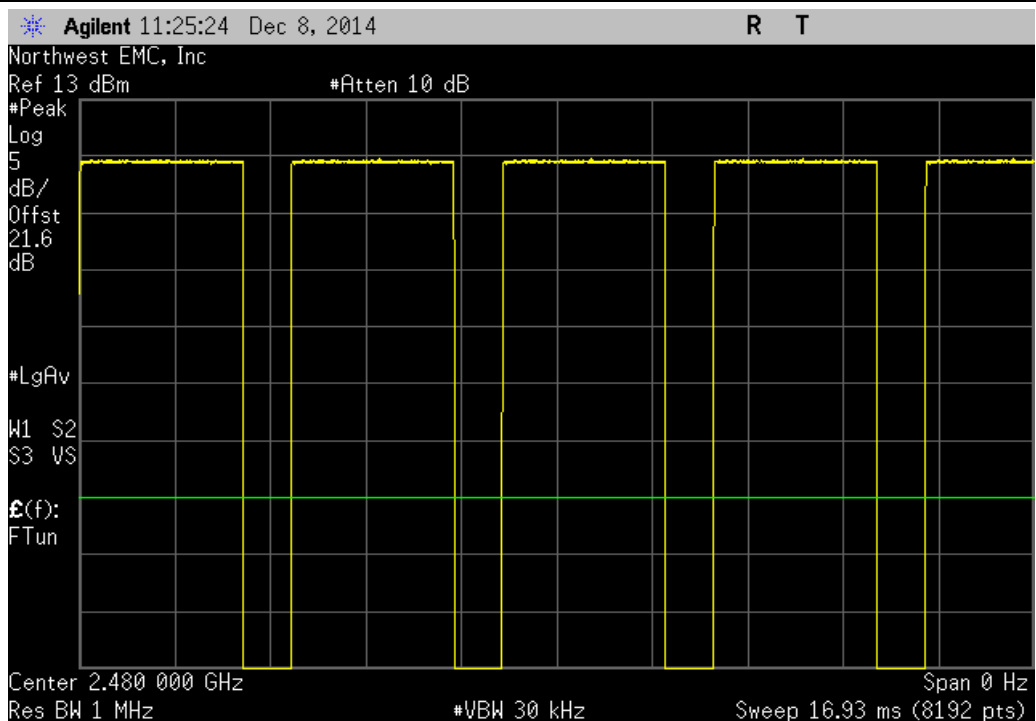




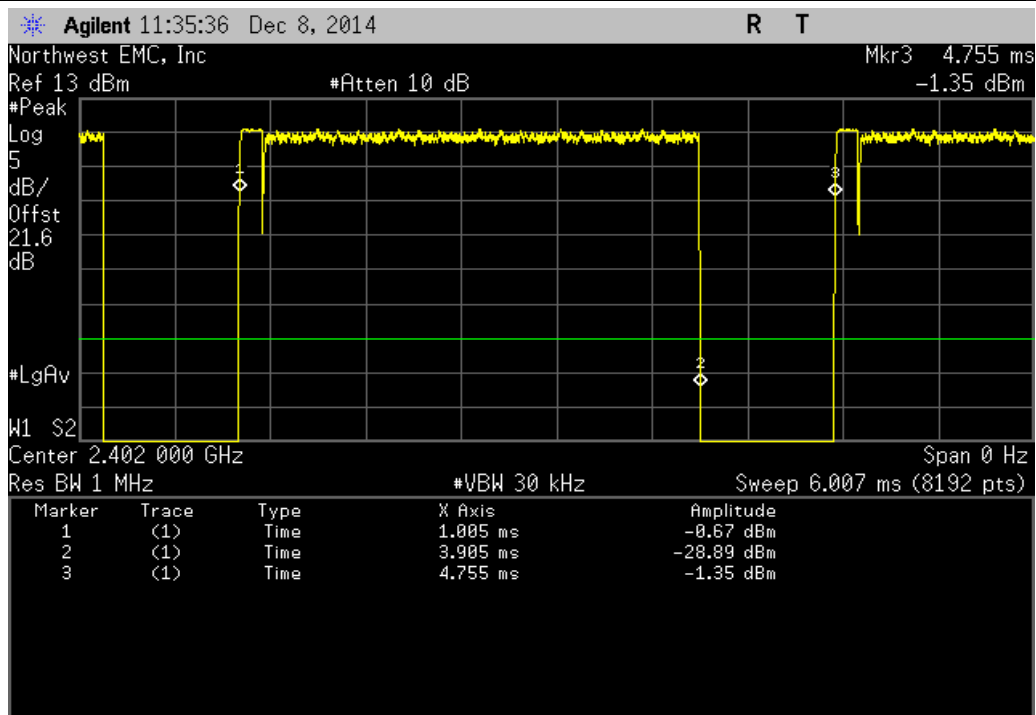
| No-Hop Mode, DH5, GFSK, High Channel, 2480 MHz |         |                  |           |           |         |  |
|------------------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                                    | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.895 ms                                       | 3.75 ms | 1                | 77.2      | N/A       | N/A     |  |



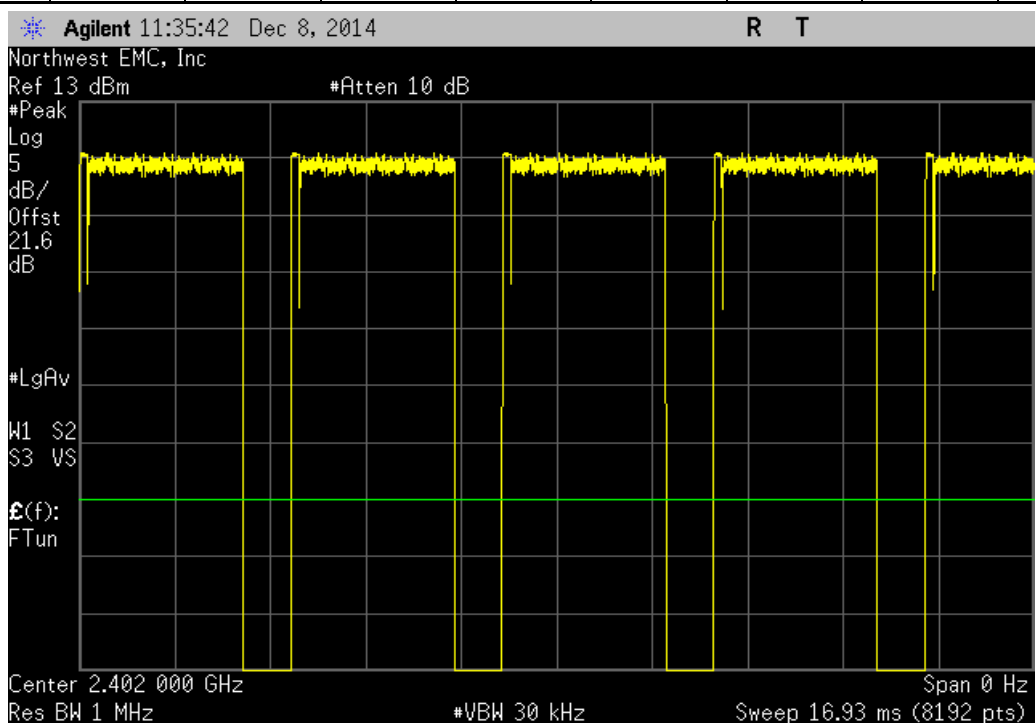
| No-Hop Mode, DH5, GFSK, High Channel, 2480 MHz |        |                  |           |           |         |  |
|------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                    | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                            | N/A    | 5                | N/A       | N/A       | N/A     |  |

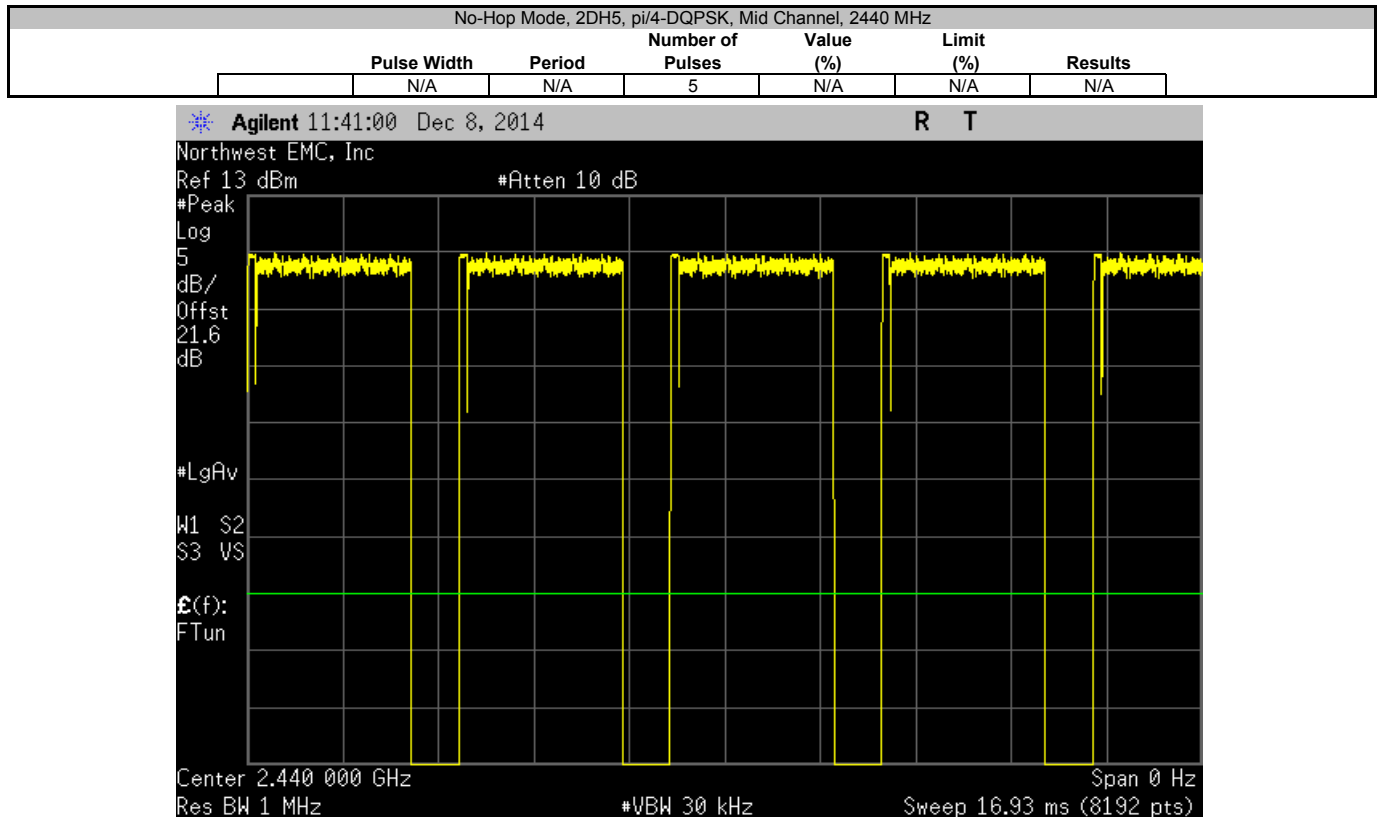
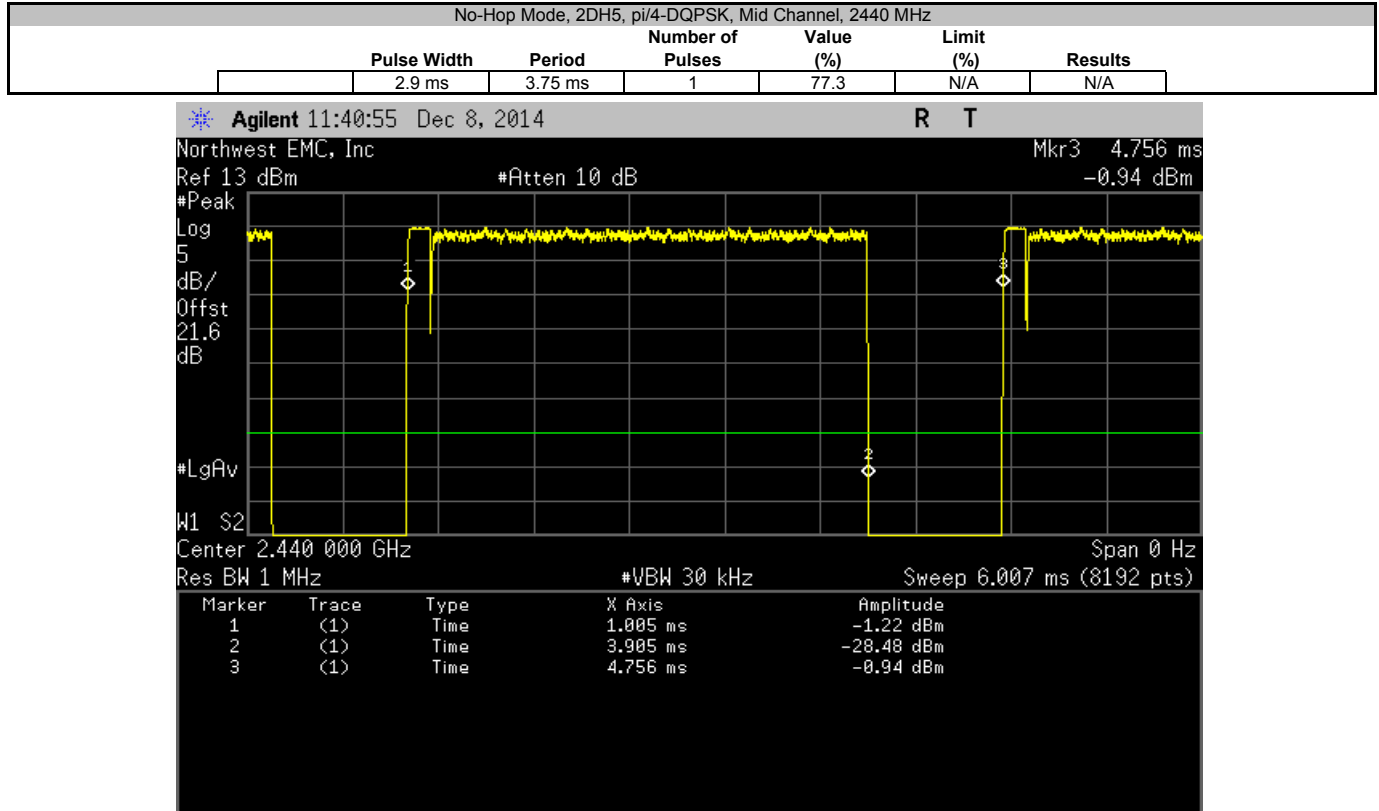


| No-Hop Mode, 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz |         |                  |           |           |         |  |
|------------------------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                                          | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.9 ms                                               | 3.75 ms | 1                | 77.3      | N/A       | N/A     |  |

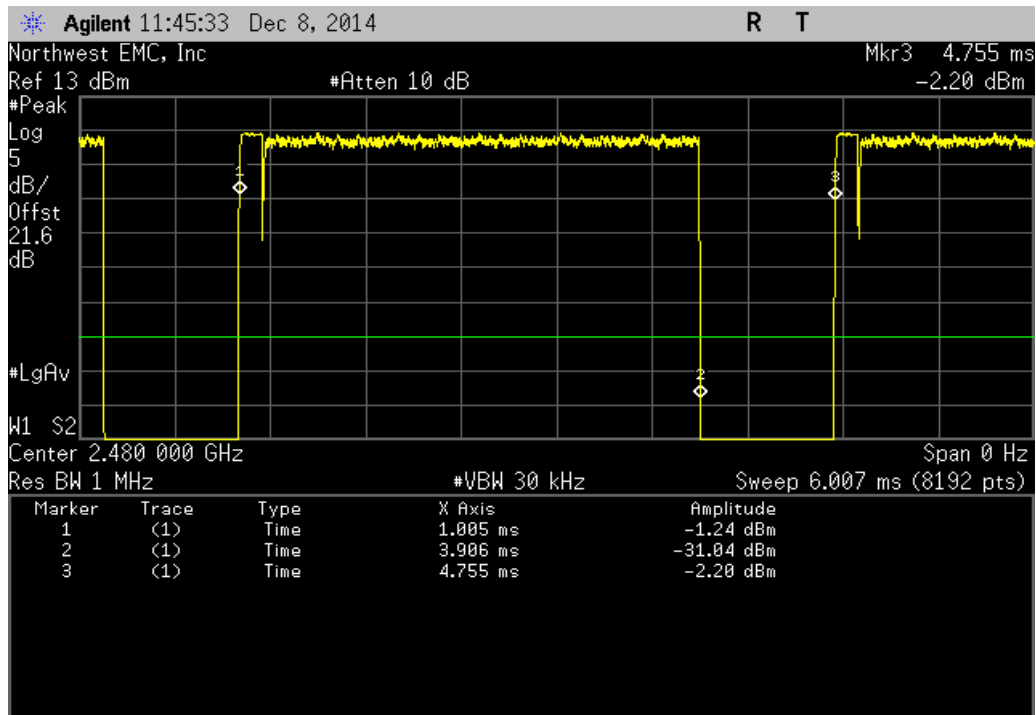


| No-Hop Mode, 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz |        |                  |           |           |         |  |
|------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                          | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                                  | N/A    | 5                | N/A       | N/A       | N/A     |  |

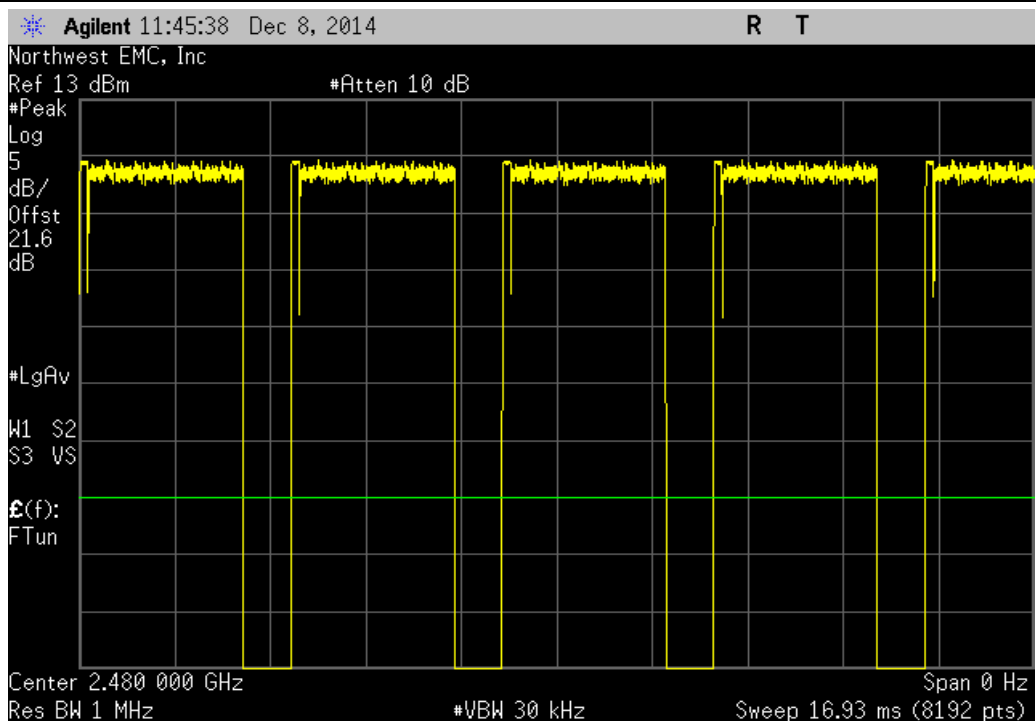




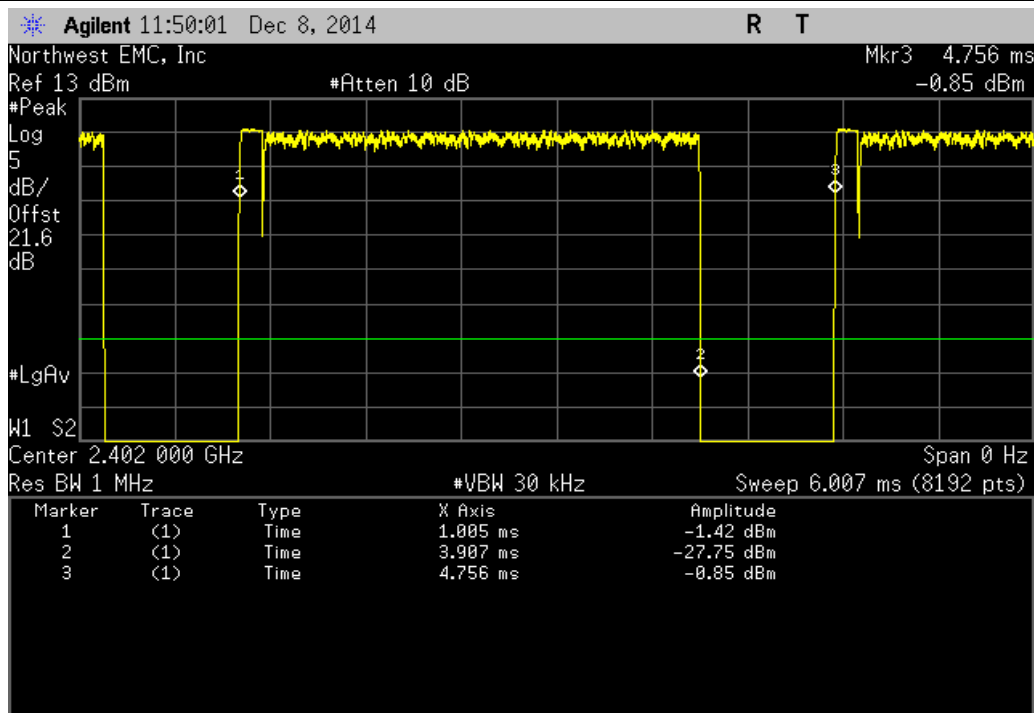
| No-Hop Mode, 2DH5, pi/4-DQPSK, High Channel, 2480 MHz |             |         |                  |           |           |         |
|-------------------------------------------------------|-------------|---------|------------------|-----------|-----------|---------|
|                                                       | Pulse Width | Period  | Number of Pulses | Value (%) | Limit (%) | Results |
|                                                       | 2.9 ms      | 3.75 ms | 1                | 77.4      | N/A       | N/A     |



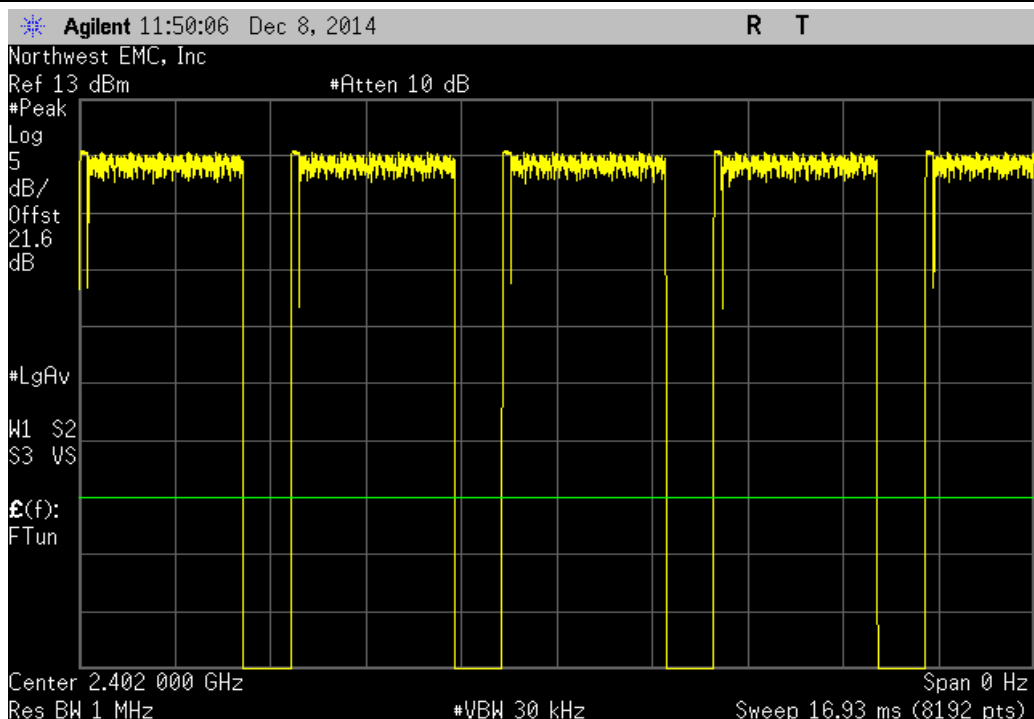
| No-Hop Mode, 2DH5, pi/4-DQPSK, High Channel, 2480 MHz |             |        |                  |           |           |         |
|-------------------------------------------------------|-------------|--------|------------------|-----------|-----------|---------|
|                                                       | Pulse Width | Period | Number of Pulses | Value (%) | Limit (%) | Results |
|                                                       | N/A         | N/A    | 5                | N/A       | N/A       | N/A     |

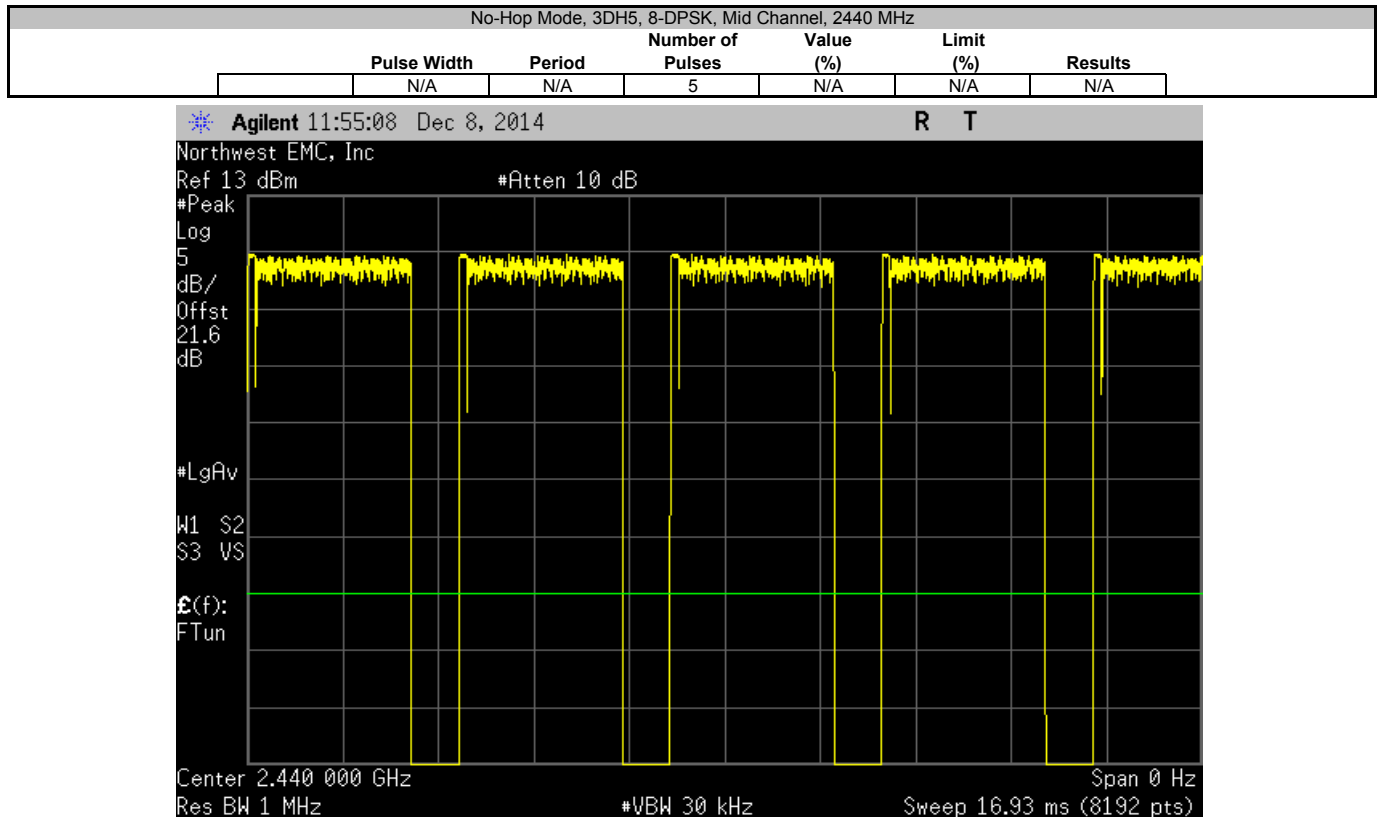
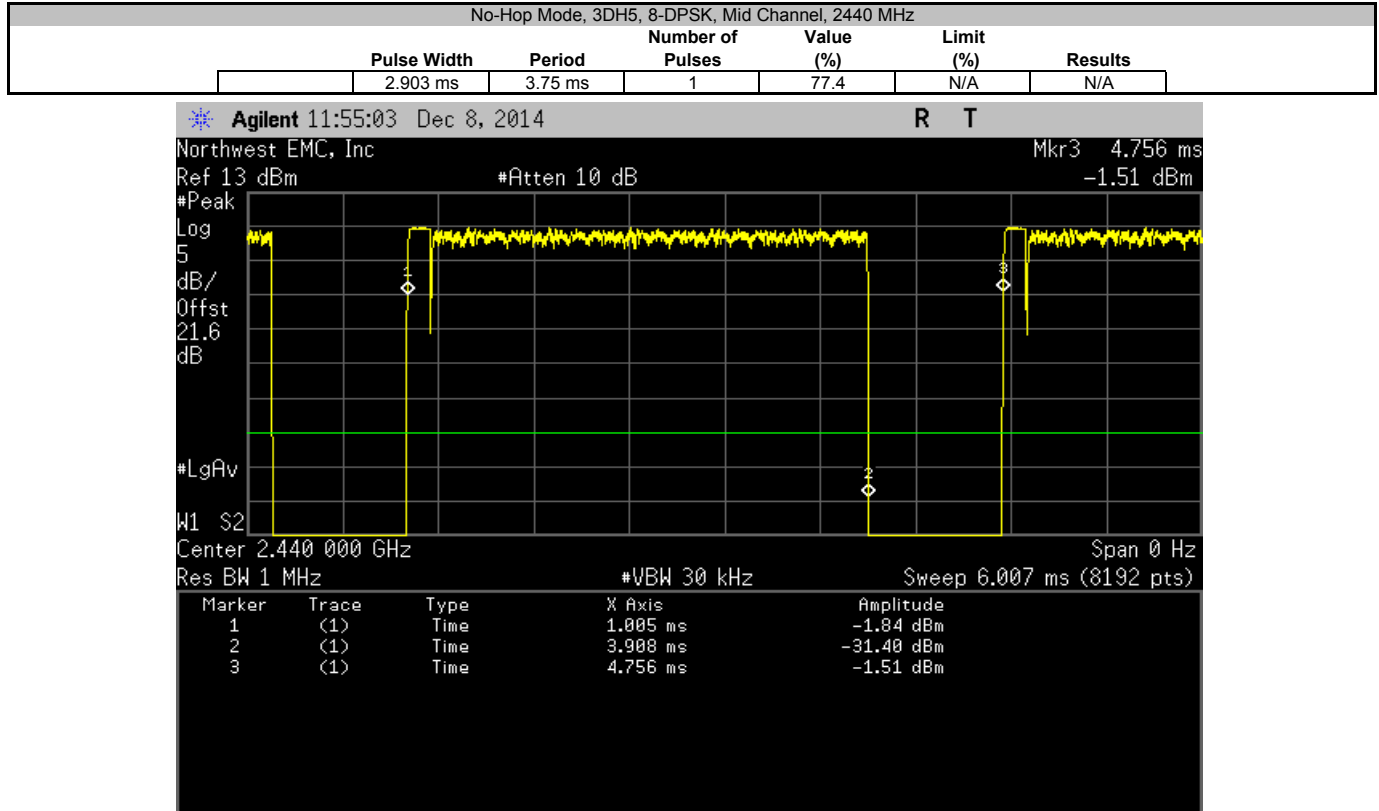


| No-Hop Mode, 3DH5, 8-DPSK, Low Channel, 2402 MHz |         |                  |           |           |         |  |
|--------------------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                                      | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.902 ms                                         | 3.75 ms | 1                | 77.4      | N/A       | N/A     |  |

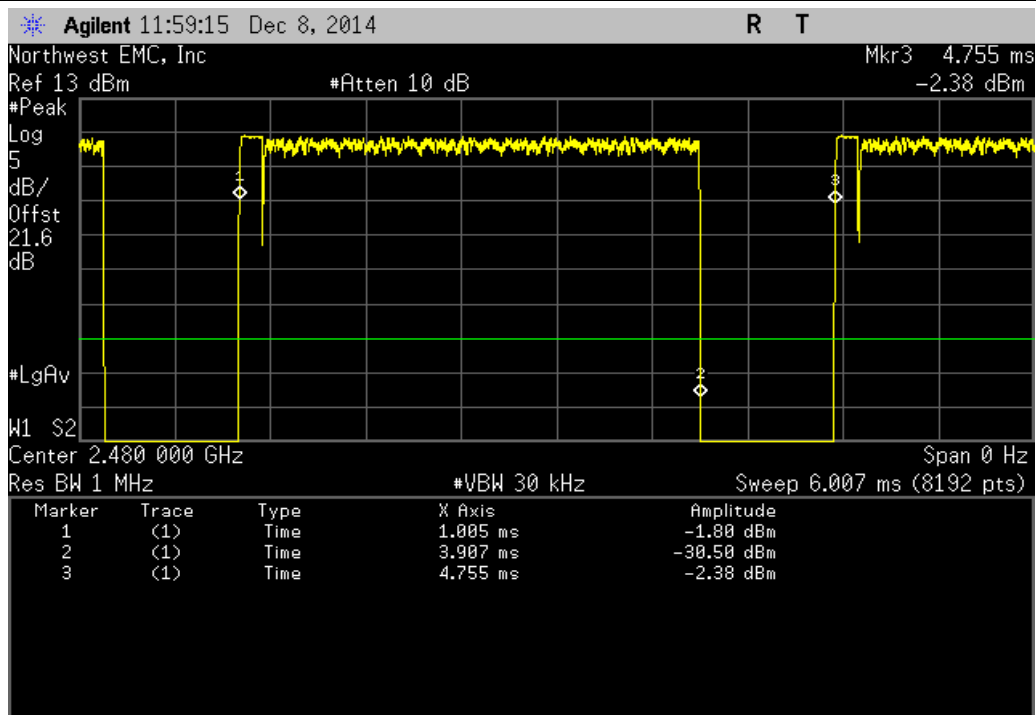


| No-Hop Mode, 3DH5, 8-DPSK, Low Channel, 2402 MHz |        |                  |           |           |         |  |
|--------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                      | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                              | N/A    | 5                | N/A       | N/A       | N/A     |  |

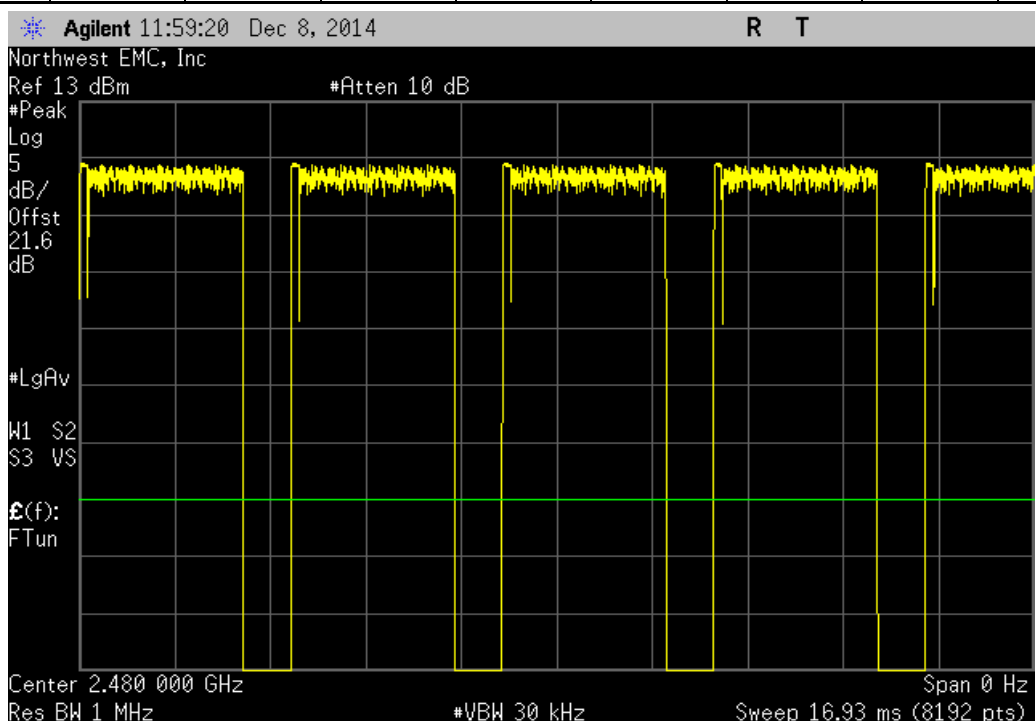




| No-Hop Mode, 3DH5, 8-DPSK, High Channel, 2480 MHz |         |                  |           |           |         |  |
|---------------------------------------------------|---------|------------------|-----------|-----------|---------|--|
| Pulse Width                                       | Period  | Number of Pulses | Value (%) | Limit (%) | Results |  |
| 2.902 ms                                          | 3.75 ms | 1                | 77.4      | N/A       | N/A     |  |



| No-Hop Mode, 3DH5, 8-DPSK, High Channel, 2480 MHz |        |                  |           |           |         |  |
|---------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                       | Period | Number of Pulses | Value (%) | Limit (%) | Results |  |
| N/A                                               | N/A    | 5                | N/A       | N/A       | N/A     |  |



## BAND EDGE COMPLIANCE

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

### TEST EQUIPMENT

| Description                 | Manufacturer       | Model           | ID  | Last Cal. | Interval (mos) |
|-----------------------------|--------------------|-----------------|-----|-----------|----------------|
| MN08 Direct Connect Cable   | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 10/2/2014 | 12             |
| Attenuator - 20db, 'SMA'    | SM Electronics     | SA26B-20        | RFW | 4/3/2014  | 12             |
| 40 GHz DC Block             | Fairview Microwave | SD3379          | AMI | 10/2/2014 | 12             |
| MXG Vector Signal Generator | Agilent            | N5182A          | TIF | 8/12/2014 | 36             |
| Spectrum Analyzer           | Agilent            | E4440A          | AAX | 4/28/2014 | 12             |

### TEST DESCRIPTION

The spurious RF conducted emissions at the edges of the authorized band were measured with the EUT set to low and high transmit frequencies. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the data rate(s) listed in the datasheet in a no hop mode. The channels closest to the band edges were selected.

The spectrum was scanned below the lower band edge and above the higher band edge.

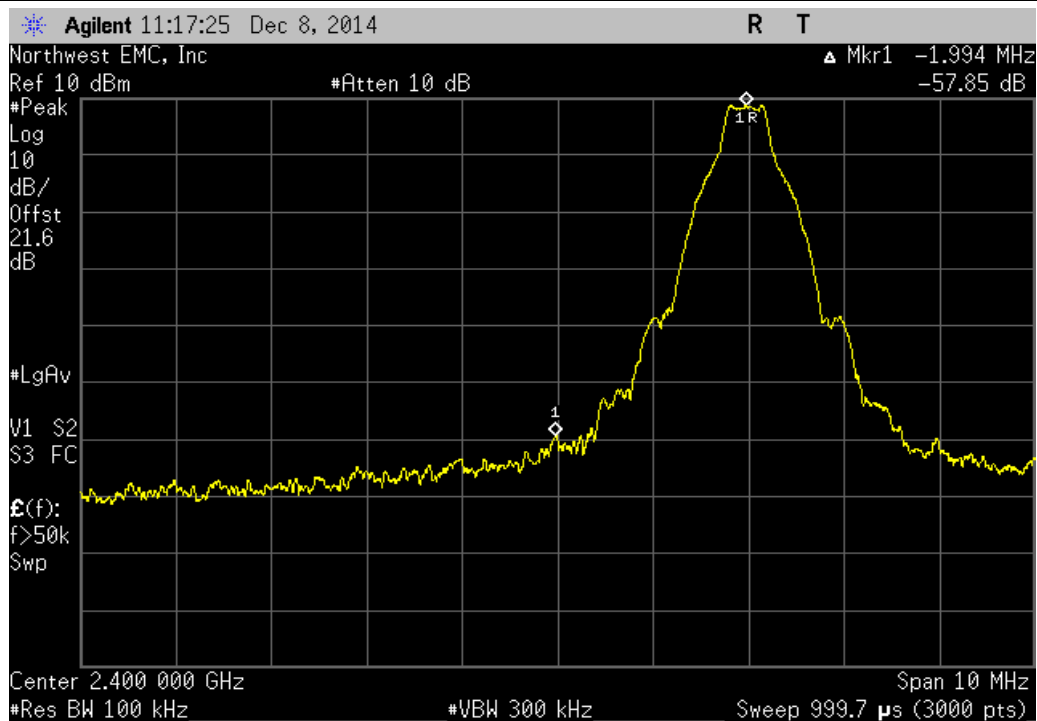


# BAND EDGE COMPLIANCE

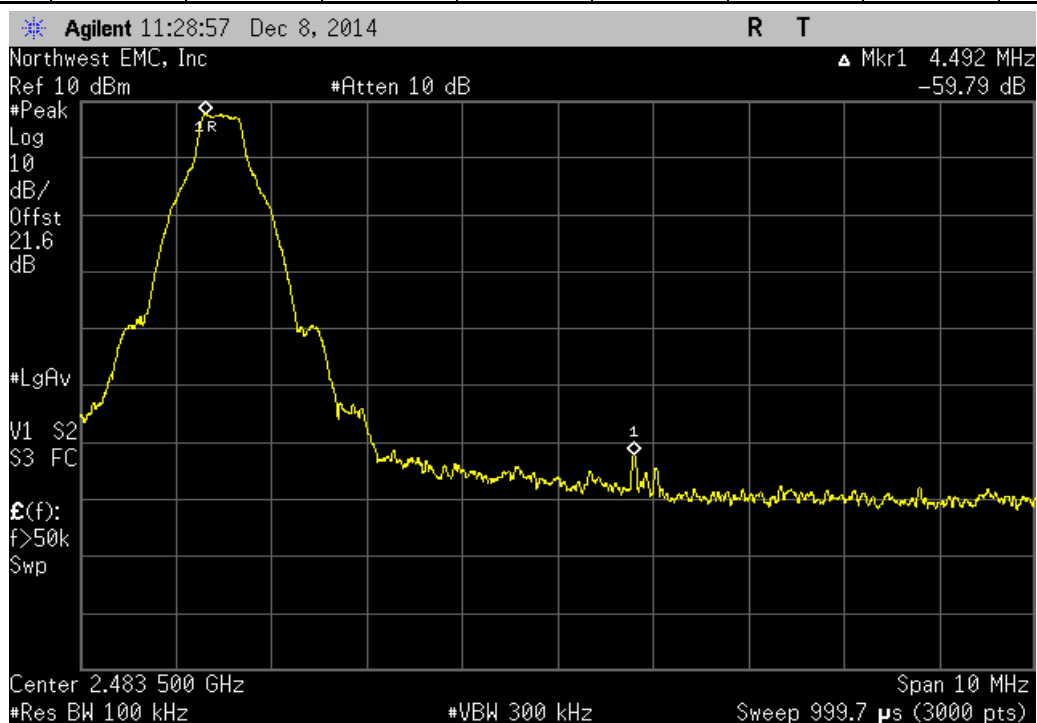
XMit 2014.02.07  
NweTx 2014.11.06

|                                       |   |                              |               |
|---------------------------------------|---|------------------------------|---------------|
| EUT: ConnectCore i.MX6 WiFi/Bluetooth |   | Work Order: ETHE0018         |               |
| Serial Number: 00409D 7C03D2          |   | Date: 12/08/14               |               |
| Customer: Etherios Design Solutions   |   | Temperature: 22°C            |               |
| Attendees: None                       |   | Humidity: 22%                |               |
| Project: None                         |   | Barometric Pres.: 1019.6     |               |
| Tested by: Trevor Buls                |   | Power: 5VDC                  |               |
|                                       |   | Job Site: MN08               |               |
| TEST SPECIFICATIONS                   |   | Test Method                  |               |
| FCC 15.247:2015                       |   | ANSI C63.10:2009             |               |
| COMMENTS                              |   |                              |               |
| None                                  |   |                              |               |
| DEVIATIONS FROM TEST STANDARD         |   |                              |               |
| None                                  |   |                              |               |
| Configuration #                       | 1 | Signature <i>Trevor Buls</i> |               |
|                                       |   | Value (dBc)                  | Limit ≤ (dBc) |
| Result                                |   |                              |               |
| No-Hop Mode                           |   |                              |               |
| DH5, GFSK                             |   |                              |               |
| Low Channel, 2402 MHz                 |   |                              |               |
| High Channel, 2480 MHz                |   |                              |               |
| -57.85                                |   |                              |               |
| -59.79                                |   |                              |               |
| -20                                   |   |                              |               |
| -20                                   |   |                              |               |
| Pass                                  |   |                              |               |
| Pass                                  |   |                              |               |
| 2DH5, pi/4-DQPSK                      |   |                              |               |
| Low Channel, 2402 MHz                 |   |                              |               |
| High Channel, 2480 MHz                |   |                              |               |
| -57.13                                |   |                              |               |
| -63.32                                |   |                              |               |
| -20                                   |   |                              |               |
| -20                                   |   |                              |               |
| Pass                                  |   |                              |               |
| Pass                                  |   |                              |               |
| 3DH5, 8-DPSK                          |   |                              |               |
| Low Channel, 2402 MHz                 |   |                              |               |
| High Channel, 2480 MHz                |   |                              |               |
| -56.89                                |   |                              |               |
| -63.45                                |   |                              |               |
| -20                                   |   |                              |               |
| -20                                   |   |                              |               |
| Pass                                  |   |                              |               |
| Pass                                  |   |                              |               |

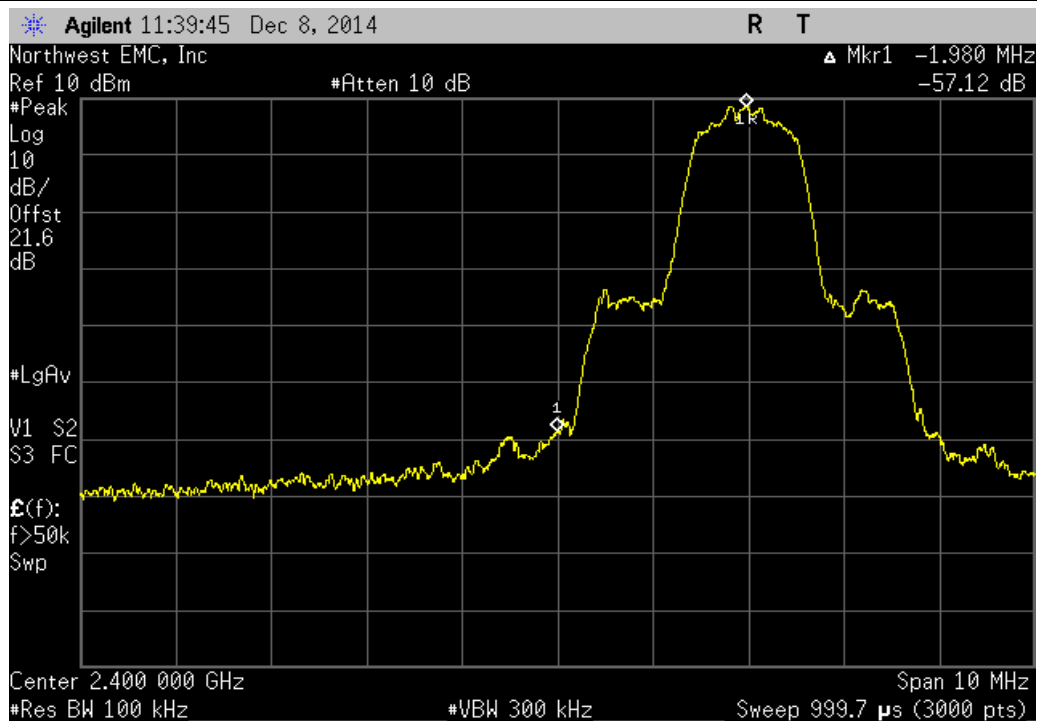
| No-Hop Mode, DH5, GFSK, Low Channel, 2402 MHz |  |  |  |                |                  |        |
|-----------------------------------------------|--|--|--|----------------|------------------|--------|
|                                               |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                               |  |  |  | -57.85         | -20              | Pass   |



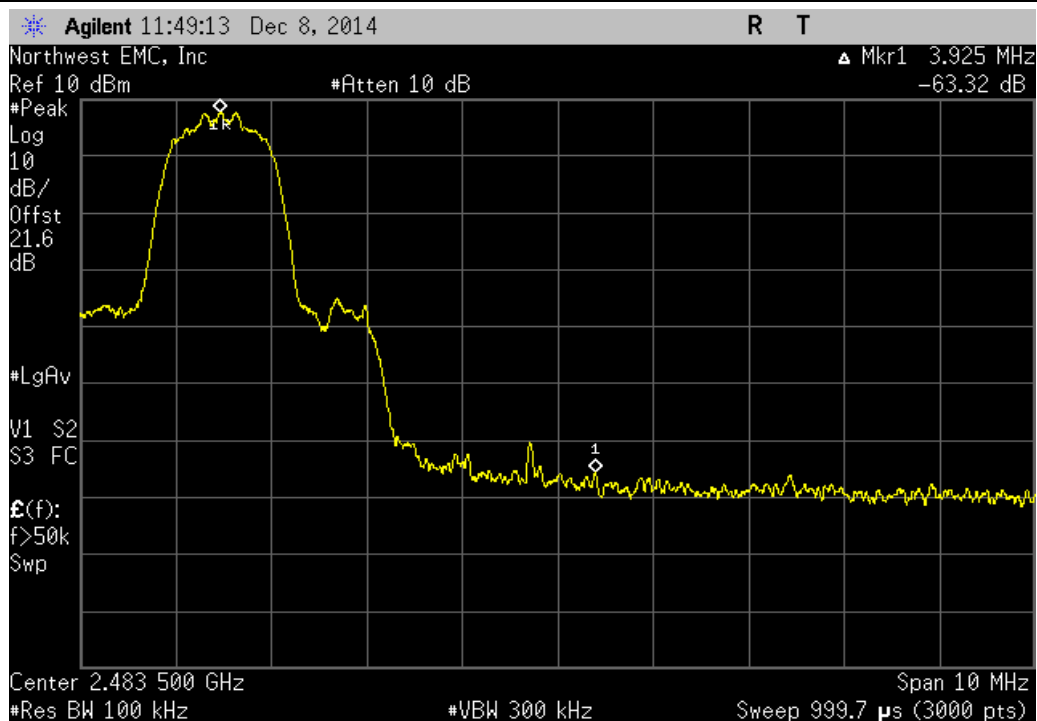
| No-Hop Mode, DH5, GFSK, High Channel, 2480 MHz |  |  |  |                |                  |        |
|------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                |  |  |  | -59.79         | -20              | Pass   |



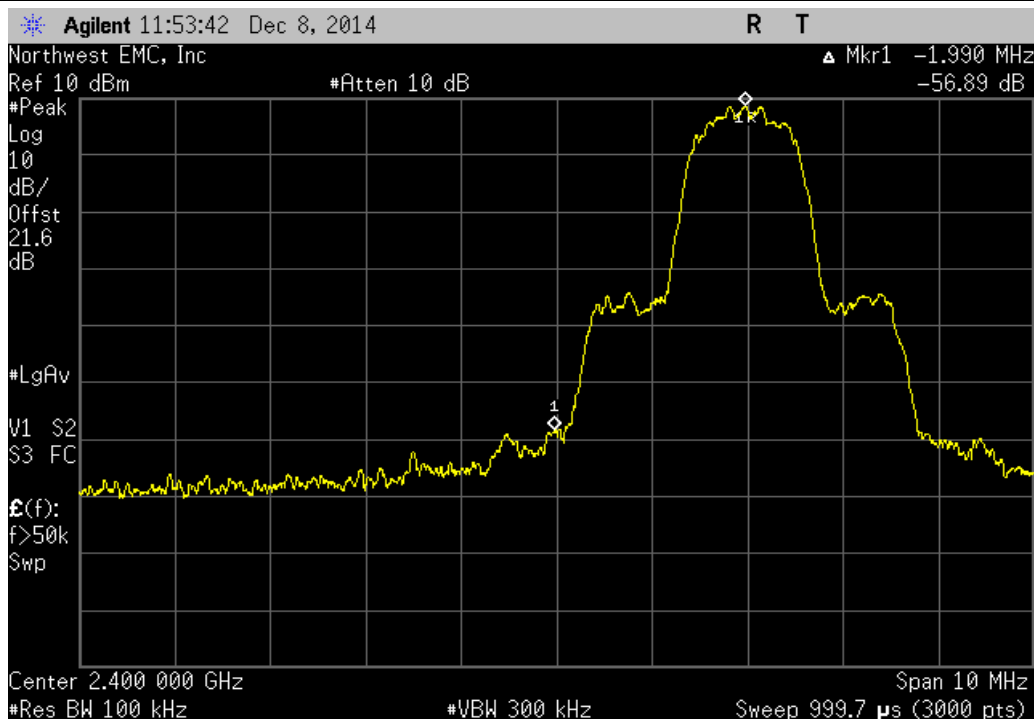
| No-Hop Mode, 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz |  |  |  |                |                  |        |
|------------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                      |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                      |  |  |  | -57.13         | -20              | Pass   |



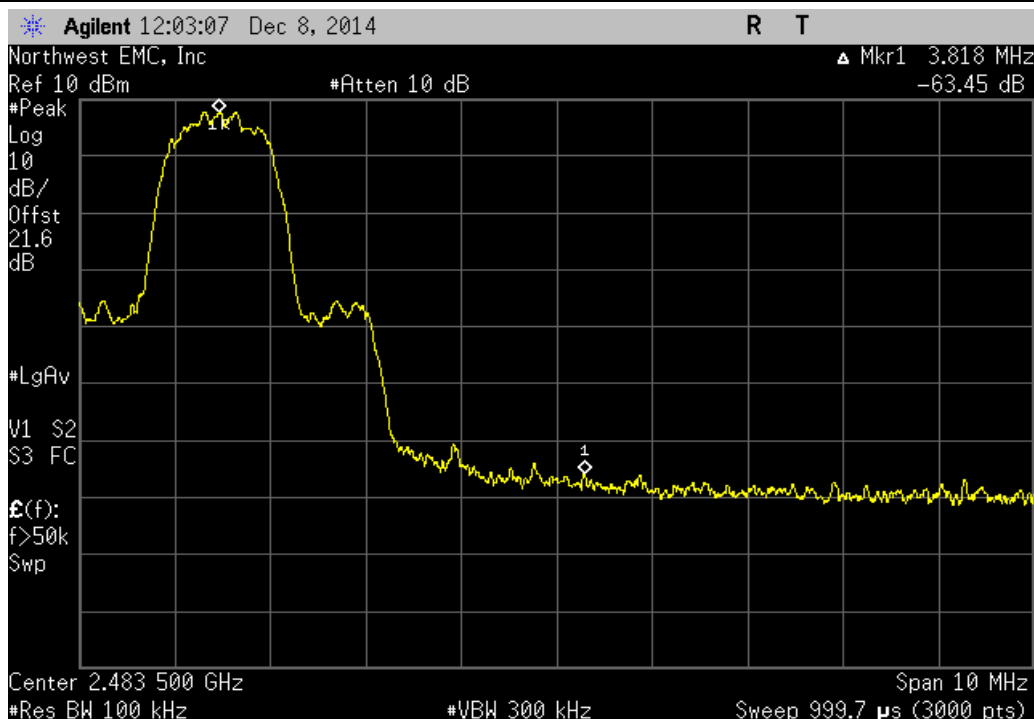
| No-Hop Mode, 2DH5, pi/4-DQPSK, High Channel, 2480 MHz |  |  |  |                |                  |        |
|-------------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                       |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                       |  |  |  | -63.32         | -20              | Pass   |



| No-Hop Mode, 3DH5, 8-DPSK, Low Channel, 2402 MHz |  |  |  |                |                  |        |
|--------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                  |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                  |  |  |  | -56.89         | -20              | Pass   |



| No-Hop Mode, 3DH5, 8-DPSK, High Channel, 2480 MHz |  |  |  |                |                  |        |
|---------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                   |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                   |  |  |  | -63.45         | -20              | Pass   |



## BAND EDGE COMPLIANCE - HOPPING MODE

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

### TEST EQUIPMENT

| Description                 | Manufacturer       | Model           | ID  | Last Cal. | Interval (mos) |
|-----------------------------|--------------------|-----------------|-----|-----------|----------------|
| MN08 Direct Connect Cable   | ESM Cable Corp.    | TTBJ141 KMKM-72 | MNU | 10/2/2014 | 12             |
| Attenuator - 20db, 'SMA'    | SM Electronics     | SA26B-20        | RFW | 4/3/2014  | 12             |
| 40 GHz DC Block             | Fairview Microwave | SD3379          | AMI | 10/2/2014 | 12             |
| MXG Vector Signal Generator | Agilent            | N5182A          | TIF | 8/12/2014 | 36             |
| Spectrum Analyzer           | Agilent            | E4440A          | AAX | 4/28/2014 | 12             |

### TEST DESCRIPTION

The spurious RF conducted emissions at the edges of the authorized band were measured with the EUT set to its normal pseudo-random hopping sequence. The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The EUT was transmitting at the data rate(s) listed in the datasheet.

The spectrum was scanned below the lower band edge and above the higher band edge.

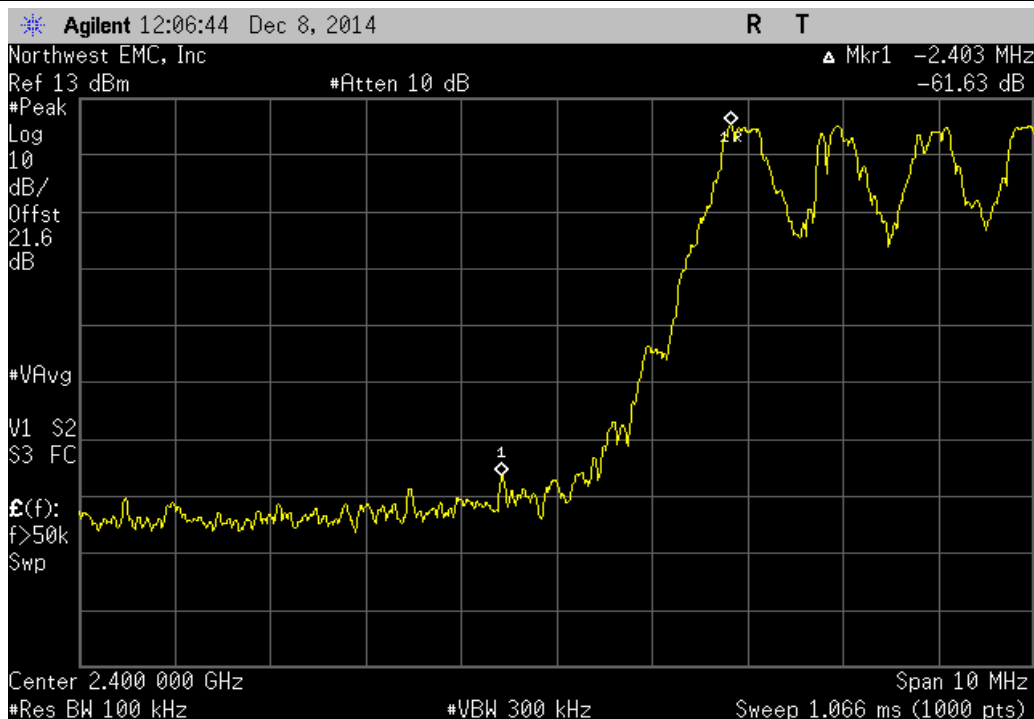


# BAND EDGE COMPLIANCE - HOPPING MODE

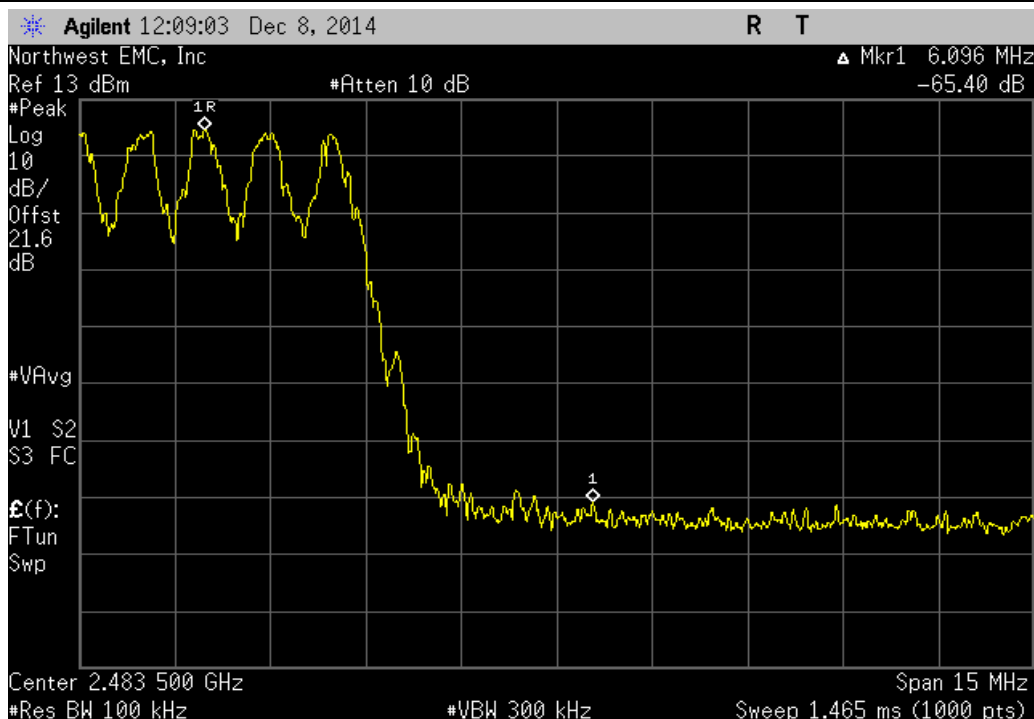
XMit 2014.02.07  
NweTx 2014.11.06

|                                       |   |                              |               |
|---------------------------------------|---|------------------------------|---------------|
| EUT: ConnectCore i.MX6 WiFi/Bluetooth |   | Work Order: ETHE0018         |               |
| Serial Number: 00409D 7C03D2          |   | Date: 12/08/14               |               |
| Customer: Etherios Design Solutions   |   | Temperature: 22°C            |               |
| Attendees: None                       |   | Humidity: 22%                |               |
| Project: None                         |   | Barometric Pres.: 1019.6     |               |
| Tested by: Trevor Buls                |   | Power: 5VDC                  |               |
|                                       |   | Job Site: MN08               |               |
| TEST SPECIFICATIONS                   |   | Test Method                  |               |
| FCC 15.247:2015                       |   | ANSI C63.10:2009             |               |
| COMMENTS                              |   |                              |               |
| None                                  |   |                              |               |
| DEVIATIONS FROM TEST STANDARD         |   |                              |               |
| None                                  |   |                              |               |
| Configuration #                       | 1 | Signature <i>Trevor Buls</i> |               |
|                                       |   | Value (dBc)                  | Limit ≤ (dBc) |
| Hopping Mode                          |   |                              |               |
| DH5, GFSK                             |   |                              |               |
| Low Channel, 2402 MHz                 |   | -61.63                       | -20           |
| High Channel, 2480 MHz                |   | -65.4                        | -20           |
| 2DH5, pi/4-DQPSK                      |   |                              |               |
| Low Channel, 2402 MHz                 |   | -60.45                       | -20           |
| High Channel, 2480 MHz                |   | -65.16                       | -20           |
| 3DH5, 8-DPSK                          |   |                              |               |
| Low Channel, 2402 MHz                 |   | -56.8                        | -20           |
| High Channel, 2480 MHz                |   | -66.44                       | -20           |
|                                       |   |                              | Result        |
|                                       |   |                              | Pass          |
|                                       |   |                              | Pass          |
|                                       |   |                              | Pass          |
|                                       |   |                              | Pass          |
|                                       |   |                              | Pass          |
|                                       |   |                              | Pass          |

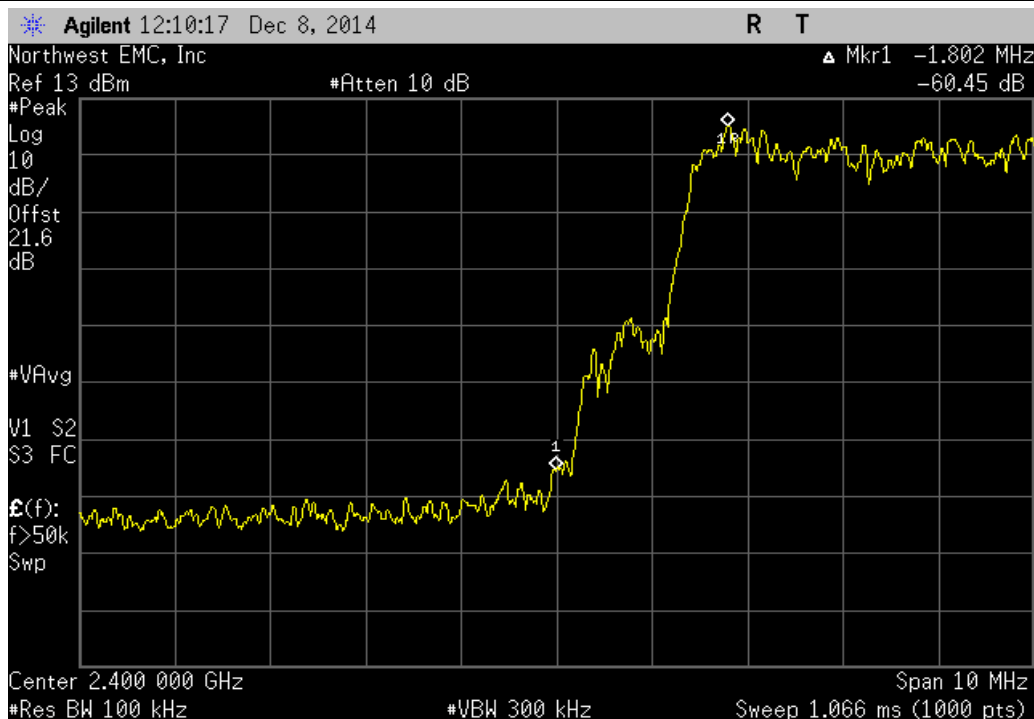
| Hopping Mode, DH5, GFSK, Low Channel, 2402 MHz |  |  |  |                |                  |        |
|------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                |  |  |  | -61.63         | -20              | Pass   |



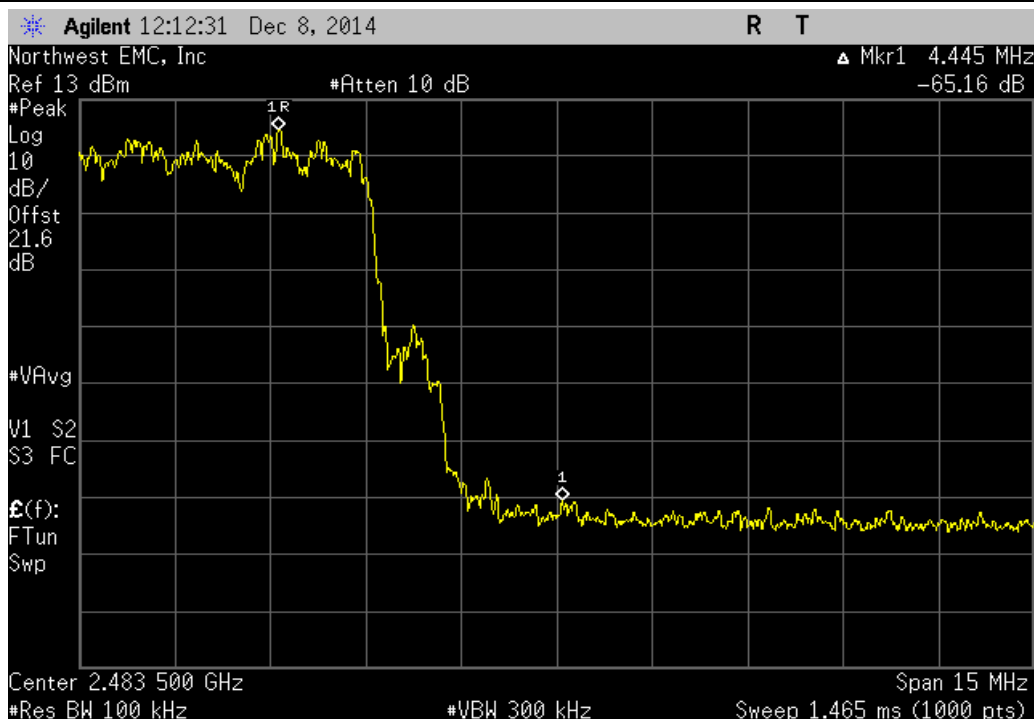
| Hopping Mode, DH5, GFSK, High Channel, 2480 MHz |  |  |  |                |                  |        |
|-------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                 |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                 |  |  |  | -65.4          | -20              | Pass   |



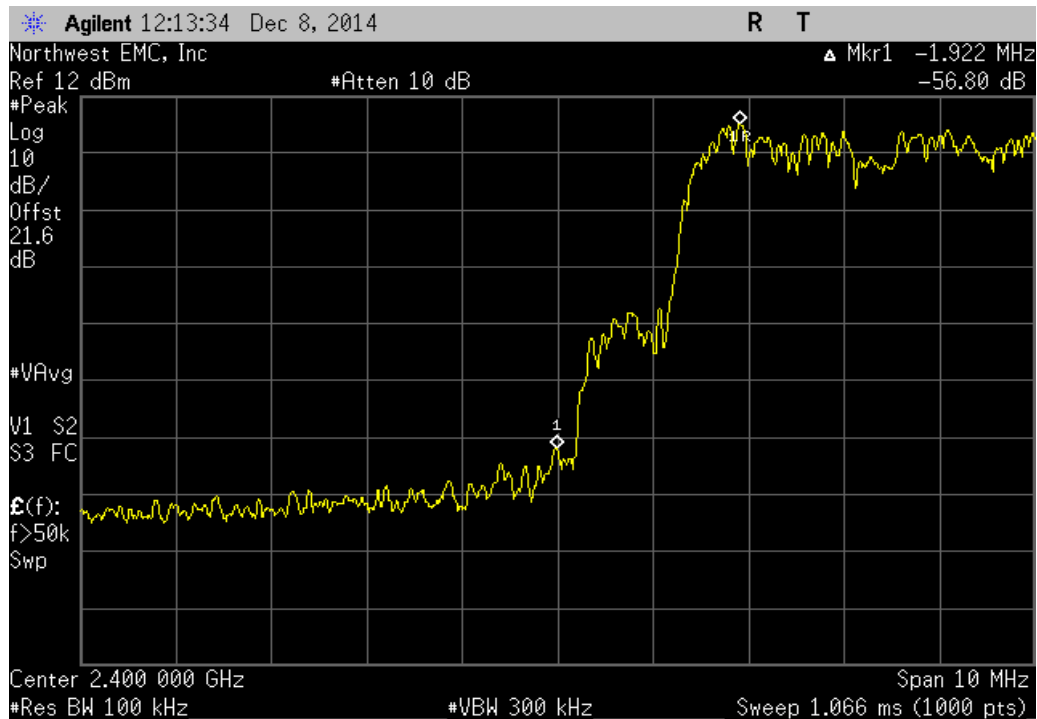
| Hopping Mode, 2DH5, pi/4-DQPSK, Low Channel, 2402 MHz |  |  |  |                |                  |        |
|-------------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                       |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                       |  |  |  | -60.45         | -20              | Pass   |



| Hopping Mode, 2DH5, pi/4-DQPSK, High Channel, 2480 MHz |  |  |  |                |                  |        |
|--------------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                        |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                        |  |  |  | -65.16         | -20              | Pass   |



| Hopping Mode, 3DH5, 8-DPSK, Low Channel, 2402 MHz |  |  |  |                |                  |        |
|---------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                   |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                   |  |  |  | -56.8          | -20              | Pass   |



| Hopping Mode, 3DH5, 8-DPSK, High Channel, 2480 MHz |  |  |  |                |                  |        |
|----------------------------------------------------|--|--|--|----------------|------------------|--------|
|                                                    |  |  |  | Value<br>(dBc) | Limit<br>≤ (dBc) | Result |
|                                                    |  |  |  | -66.44         | -20              | Pass   |

